

Search History

L1 STRUCTURE UPLOADED
 L2 22 SEA SSS SAM L1
 L3 13141 SEA SSS FUL L1
 L4 STRUCTURE UPLOADED
 L5 50 SEA SUB=L3 SSS SAM L4
 L6 13132 SEA SUB=L3 SSS FUL L4
 L7 STRUCTURE UPLOADED
 L8 50 SEA SUB=L3 SSS SAM L7
 L9 13132 SEA SUB=L3 SSS FUL L7

 L10 FILE 'HCAPLUS' ENTERED AT 11:39:05 ON 27 MAR 2007
 6057 SEA ABB=ON PLU=ON L9

 FILE 'REGISTRY' ENTERED AT 11:39:15 ON 27 MAR 2007
 L11 STRUCTURE UPLOADED
 L12 50 SEA SUB=L3 SSS SAM L11
 L13 STRUCTURE UPLOADED
 L14 0 SEA SUB=L3 SSS SAM L13
 L15 3 SEA SUB=L3 SSS FUL L13

 L16 FILE 'CAPLUS' ENTERED AT 11:49:03 ON 27 MAR 2007
 2 SEA ABB=ON PLU=ON L15

 FILE 'CAOLD' ENTERED AT 11:49:18 ON 27 MAR 2007
 L17 0 SEA ABB=ON PLU=ON L15
 L18 0 SEA ABB=ON PLU=ON L9

 FILE 'HCAPLUS' ENTERED AT 11:52:57 ON 27 MAR 2007
 L19 1 SEA ABB=ON PLU=ON US2003-714772/APPS
 L20 81351 SEA ABB=ON PLU=ON HAIR PREPARATIONS+OLD,NT/CT(L) CONDITIONER/O
 BI OR COSMETICS+OLD,NT/CT OR SHAMPOOS+OLD,NT/CT
 L21 145 SEA ABB=ON PLU=ON L10 AND L20
 L22 136 SEA ABB=ON PLU=ON L10 AND 62/SC, SX
 L23 131 SEA ABB=ON PLU=ON L21 AND 62/SC, SX
 L24 129 SEA ABB=ON PLU=ON L23 AND PATENT/DT
 L25 106 SEA ABB=ON PLU=ON L24 AND (PRY<=2003 OR AY<=2003 OR PY<=2003)
 L26 2 SEA ABB=ON PLU=ON L23 NOT L24
 L27 2 SEA ABB=ON PLU=ON L26 AND PY<=2003
 L28 108 SEA ABB=ON PLU=ON (L25 OR L27)

 L29 * FILE 'REGISTRY' ENTERED AT 12:04:53 ON 27 MAR 2007
 STRUCTURE UPLOADED
 L30 0 SEA SUB=L3 SSS SAM L29
 L31 3 SEA SUB=L3 SSS FUL L29

 L32 FILE 'CAPLUS' ENTERED AT 12:05:50 ON 27 MAR 2007
 2 SEA ABB=ON PLU=ON L31

 FILE 'MARPAT' ENTERED AT 12:18:42 ON 27 MAR 2007
 L33 0 SEA SSS SAM L29
 L34 7 SEA SSS FUL L29
 L35 3 SEA ABB=ON PLU=ON L34/COM

 L36 FILE 'CAPLUS, MARPAT' ENTERED AT 12:22:42 ON 27 MAR 2007
 5 DUP REM L16 L32 L35 (2 DUPLICATES REMOVED)

 L37 FILE 'HCAPLUS' ENTERED AT 12:25:38 ON 27 MAR 2007
 108 SEA ABB=ON PLU=ON L28 NOT (L16 OR L32)

Structure Search

(2)

=> FILE CAPLUS MARPAT

FILE 'CAPLUS' ENTERED AT 12:23:45 ON 27 MAR 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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FILE 'MARPAT' ENTERED AT 12:23:45 ON 27 MAR 2007

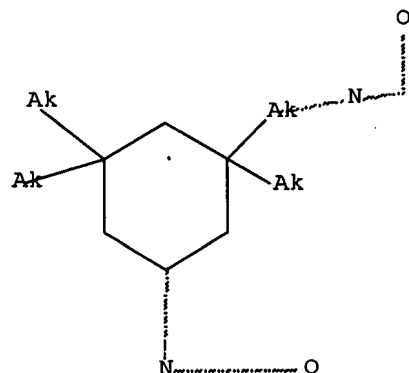
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

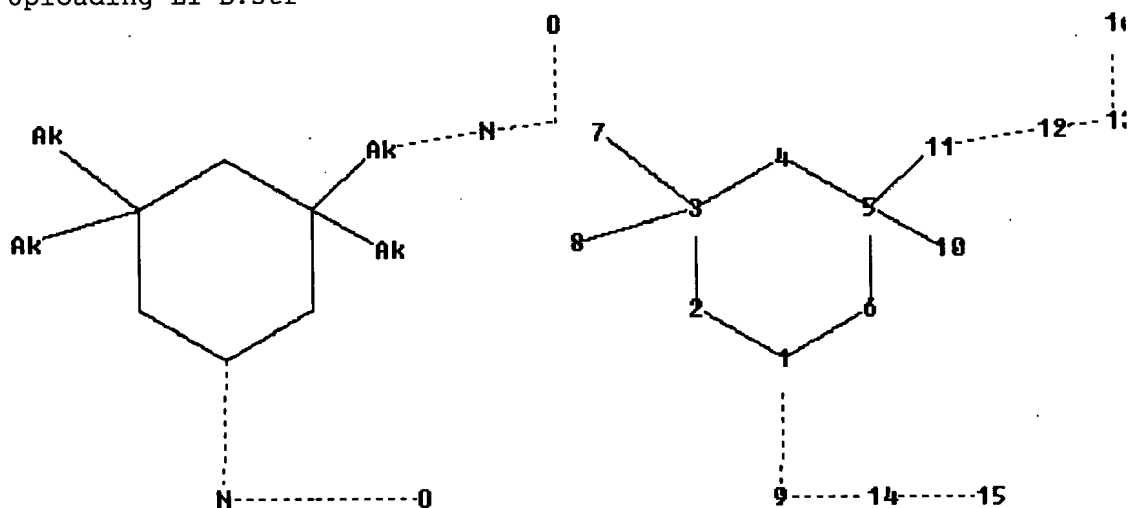
COPYRIGHT (C) 2007 American Chemical Society (ACS)

=> D QUE L36

L1 STR



Structure attributes must be viewed using STN Express query preparation:
Uploading L1-B.str



chain nodes :

7 8 9 10 11 12 13 14 15 16

ring nodes :

1 2 3 4 5 6

chain bonds :

1-9 3-7 3-8 5-10 5-11 9-14 11-12 12-13 13-16 14-15

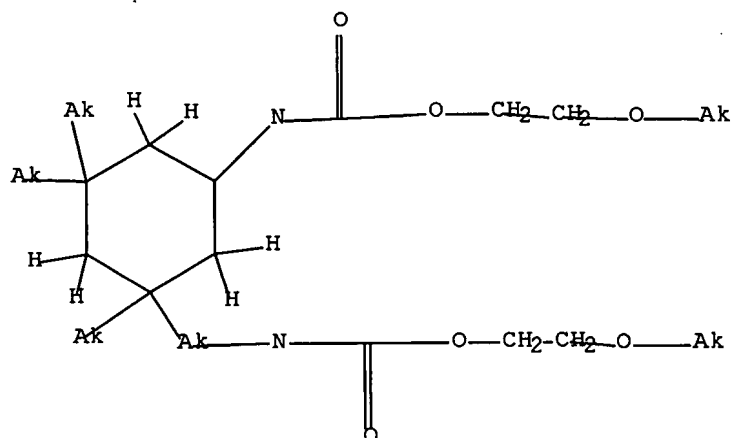
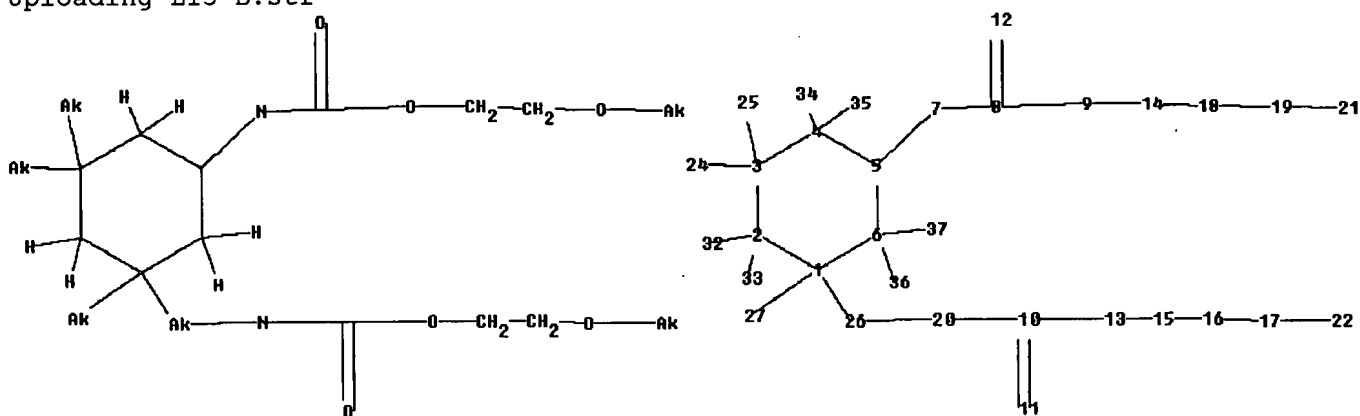
ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-2 1-6 1-9 2-3 3-4 3-7 3-8 4-5 5-6 5-10 5-11 9-14 11-12 12-13 13-16
14-15

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASSL3 13141 SEA FILE=REGISTRY SSS FUL L1
L13 STRStructure attributes must be viewed using STN Express query preparation:
Uploading L13-B.str

chain nodes :

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 24 25 26 27 32
33 34 35 36 37

ring nodes :

1 2 3 4 5 6

chain bonds :

1-26 1-27 2-32 2-33 3-24 3-25 4-34 4-35 5-7 6-36 6-37 7-8 8-9 8-12

Serial No.:10/714,772

9-14 10-13 10-11 10-20 13-15 14-18 15-16 16-17 17-22 18-19 19-21 20-26
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6
 exact/norm bonds :
 1-2 1-6 1-26 1-27 2-3 3-4 3-24 3-25 4-5 5-6 5-7 7-8 8-9 8-12 10-13
 10-11 10-20 17-22 19-21 20-26
 exact bonds :
 2-32 2-33 4-34 4-35 6-36 6-37 9-14 13-15 14-18 15-16 16-17 18-19

Connectivity :

21:1 E exact C chain 22:1 E exact C chain

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
 19:CLASS 20:CLASS
 21:CLASS 22:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 32:CLASS 33:CLASS
 34:CLASS 35:CLASS
 36:CLASS 37:CLASS

Generic attributes :

21:

Number of Carbon Atoms : 7 or more

22:

Number of Carbon Atoms : 7 or more

Element Count :

Node 24: Limited

C,C1-7

Node 25: Limited

C,C1-7

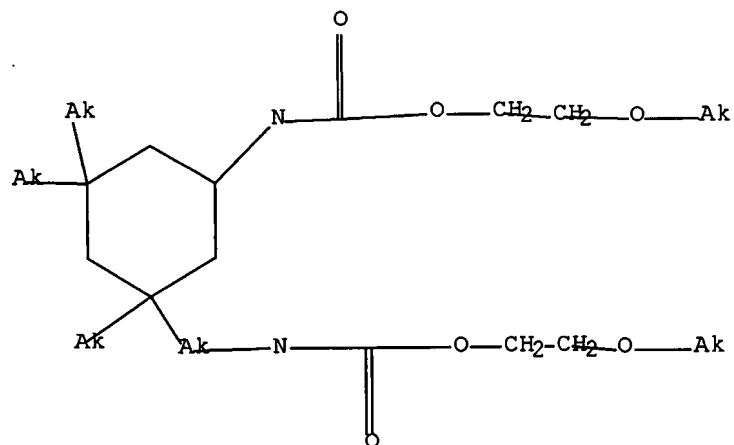
Node 26: Limited

C,C1-7

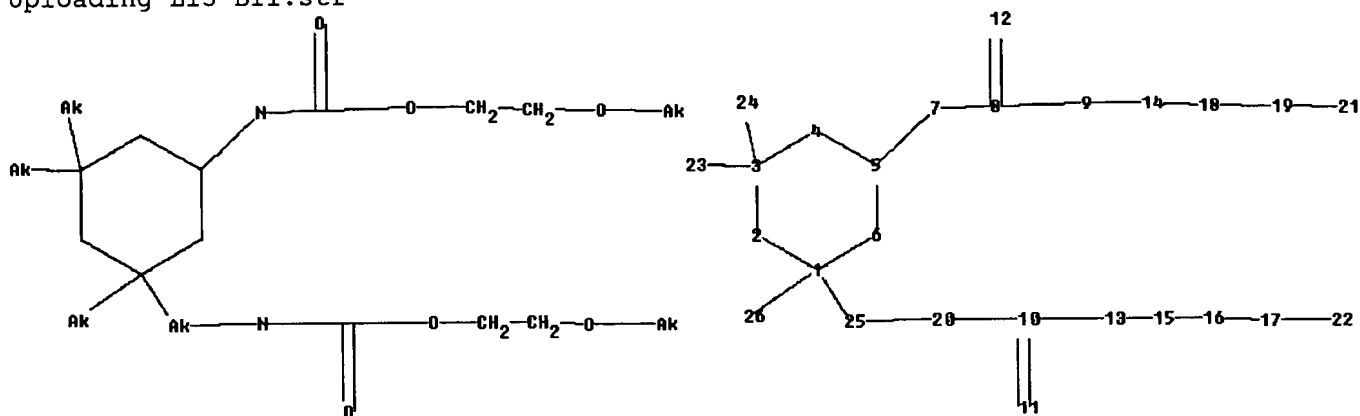
Node 27: Limited

C,C1-7

L15 3 SEA FILE=REGISTRY SUB=L3 SSS FUL L13
 L16 2 SEA FILE=CAPLUS ABB=ON PLU=ON L15
 L29 STR



Structure attributes must be viewed using STN Express query preparation:
Uploading L13-BII.str



chain nodes :

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

ring nodes :

1 2 3 4 5 6

chain bonds :

1-25 1-26 3-23 3-24 5-7 7-8 8-9 8-12 9-14 10-13 10-11 10-20 13-15 14-18

15-16 16-17 17-22 18-19 19-21 20-25

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-2 1-6 1-25 1-26 2-3 3-4 3-23 3-24 4-5 5-6 5-7 7-8 8-9 8-12 10-13 10-11 10-20 17-22 19-21 20-25

exact bonds :

9-14 13-15 14-18 15-16 16-17 18-19

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS
21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS

Generic attributes :

21:

Number of Carbon Atoms : 7 or more

22:

Number of Carbon Atoms : 7 or more

Element Count :

Node 23: Limited

C,C1-7

Node 24: Limited

C,C1-7

Node 25: Limited

C,C1-7

Node 26: Limited

C,C1-7

L31 3 SEA FILE=REGISTRY SUB=L3 SSS FUL L29
 L32 2 SEA FILE=CAPLUS ABB=ON PLU=ON L31
 L34 7 SEA FILE=MARPAT SSS FUL L29
 L35 3 SEA FILE=MARPAT ABB=ON PLU=ON L34/COM
 L36 5 DUP REM L16 L32 L35 (2 DUPLICATES REMOVED)

=> D L36 IBIB ED ABS HITSTR 1-2

L36 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 2007:114237 CAPLUS Full-text

DOCUMENT NUMBER: 146:208071

TITLE: Water-based metallic coating compositions with
 flip-flop property for automobiles and the formation
 of multilayered coating films therewith

INVENTOR(S): Hayashi, Kouki; Ohara, Kouichi; Ogawa, Hideaki; Asai,
 Tomohito; Yoneda, Hiroto

PATENT ASSIGNEE(S): Nippon Paint Co., Ltd., Japan

SOURCE: PCT Int. Appl., 67pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|------------------|----------|
| WO 2007013558 | A1 | 20070201 | WO 2006-JP314898 | 20060727 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, | | | | |

IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

JP 2005-217613 A 20050727
 JP 2005-255210 A 20050902
 JP 2005-255215 A 20050902

ED Entered STN: 01 Feb 2007

AB Title compns. contain (a) acrylic resin emulsions prepared by 2-step emulsion polymerization and having an acid value (A1) of 10-150 mg-KOH/g, OH value (A2) of 1-30 mg-KOH/g, and diameter of 20-140 nm, (b) 20-140 nm hydrophobic melamine resin aqueous dispersions as hardeners, and (c) glossy pigments. An aqueous composition (M) containing 80-nm Bu methacrylate-2-hydroxyethyl methacrylate (I)-methacrylic acid (II)-Me acrylate-styrene-Adeka Reasoap NE 20-Aqualon HS 10 graft copolymer dimethylethanolamine (III) salt (with A1 15 mg-KOH/g, A2 35 mg-KOH/g), I-II-Et acrylate-Me methacrylate copolymer III salt, Primepol PX 1000, hydrophobic U-Van 20SB (prepared from I-acrylic acid-Bu acrylate-MSD 100 copolymer and U-Van 20SB, and III), and an A1 paste gave a 15- μ m film with flip-flop property (film L value at 15° and 110° ratio) of 4.30; a substrate was sprayed with the M composition to 15- μ m thickness, preheated at 80° for 5 min, wet-on-wet with Macflow O 1810, and baked at 140° for 30 min to form a 15- μ m metallic base and 42- μ m clear composition-coated plate showing flip-flop property of 3.50.

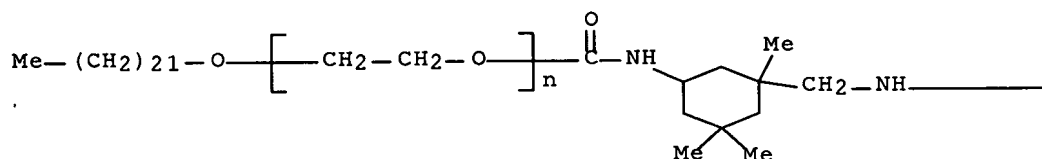
IT 922506-44-3P

RL: IMF (Industrial manufacture); MOA (Modifier or additive use); POF (Polymer in formulation); PREP (Preparation); USES (Uses)
 (modifier; aqueous metallic base coats containing acrylic emulsions and hydrophobic melamine resin hardeners for good flip-flop effect for automobiles)

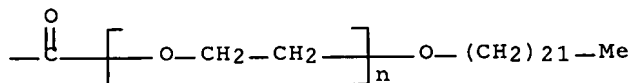
RN 922506-44-3 CAPLUS

CN Poly(oxy-1,2-ethanediyl), α -hydro- ω -(docosyloxy)-, ester with
 N-[3-[(carboxyamino)methyl]-3,5,5-trimethylcyclohexyl]carbamic acid (2:1)
 (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



REFERENCE COUNT:

44

THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 2

ACCESSION NUMBER: 2003:582492 CAPLUS Full-text
DOCUMENT NUMBER: 139:135249
TITLE: Spraying compositions with no dripping from sprayer nozzles when discharged and thixotropic agents therefor
INVENTOR(S): Shirai, Hiroaki; Beppu, Koji
PATENT ASSIGNEE(S): Asahi Denka Kogyo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|----------|
| JP 2003212950 | A | 20030730 | JP 2002-8459 | 20020117 |
| PRIORITY APPLN. INFO.: | | | JP 2002-8459 | 20020117 |

ED Entered STN: 30 Jul 2003

AB The thixotropic agents, useful for spraying detergents or bleaches, comprise reaction products of polyisocyanates with mono active-H compds. and/or polyols. The mono active-H compds. are (a1) R1O(AO)nH [R1 = (branched) hydrocarbyl, (hydrocarbon group-substituted) alicyclic or aromatic hydrocarbyl; A = C2-4 alkylene; n = 0-100; (AO)n = random or block polyoxyalkylene] and/or (a2) R2R3N(AO)nH [R2, R3, A, n, (AO)n = same as above], the polyisocyanates are R4(NCO)k [R4 = (branched) hydrocarbyl, (hydrocarbon group-substituted) alicyclic or aromatic hydrocarbyl, urethane linkage-containing hydrocarbyl; k = 2-5; NCO may be oligomerized to dimer to tetramer], and the polyols are R5[(A'O)jH]p [R5 = residual group of alc. (OH value p); A' = same as A; j = 0-500; p = 2-8; all j ≠ 0; (A'O)j = random or block polyoxyalkylene]. Thus, ethoxylated 2-decyltetradecanol HMDI carbamate was mixed with a detergent and sprayed onto an ABS panel without dripping from sprayer, showing detergent retention on the panel 93% after 1 min.

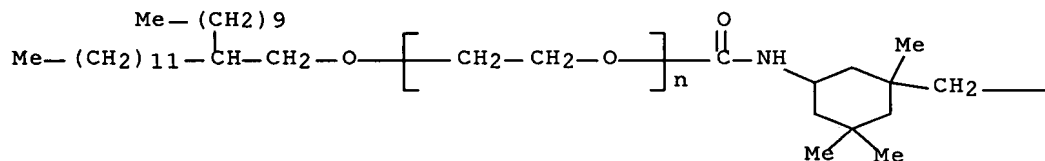
IT **566916-63-0P**

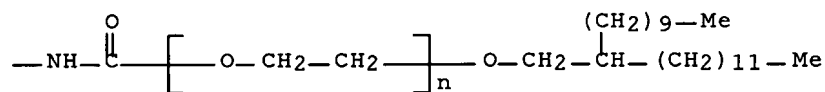
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (thixotropic agents; thixotropic agents for spraying detergents/bleaches to prevent dripping from sprayer nozzles when discharged)

RN 566916-63-0 CAPLUS

CN Poly(oxy-1,2-ethanediyl), α-hydro-ω-[(2-decyltetradecyl)oxy]-, ester with [3-[(carboxyamino)methyl]-3,5,5-trimethylcyclohexyl]carbamic acid (2:1) (9CI) (CA INDEX NAME)

PAGE 1-A





L36 ANSWER 3 OF 5 MARPAT COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 139:133257 MARPAT Full-text

TITLE: Preparation of alkyl carbamates from nonaromatic amines and dialkyl carbamates using yttrium or ytterbium compounds

INVENTOR(S): Kuroiwa, Takumi; Yoshida, Isamu; Sasaki, Hiroaki; Hirata, Fumiaki; Baba, Toshihide

PATENT ASSIGNEE(S): Mitsui Takeda Chemical Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

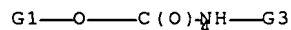
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|---------------------|----------|
| JP 2003212836 | A | 20030730 | JP 2002-15088 | 20020124 |
| PRIORITY APPLN. INFO.: | | | JP 2002-15088 | 20020124 |
| OTHER SOURCE(S): | | | CASREACT 139:133257 | |

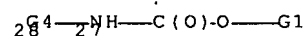
AB Alkyl carbamates are prepared in high selectivity and high yield by reacting aliphatic amines, alicyclic amines, or araliph. amines with dialkyl carbonates in the presence of Y and/or Yb compds. Water content of the Y and/or Yb compds. is preferably $\leq 3\%$ not to prevent reactivity. A mixture of Me_2CO_3 , $\text{H}_2\text{N}(\text{CH}_2)_6\text{NH}_2$, and yttrium acetate was stirred at 70° for 8 h to give 97% $\text{MeOCONH}(\text{CH}_2)_6\text{NHCO}_2\text{Me}$ and 2% $\text{H}_2\text{N}(\text{CH}_2)_6\text{NHCO}_2\text{Me}$.

MSTR 2

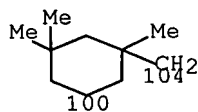
G1 = hydrocarbyl <containing 1-12 C>
(opt. substd. by (1-5) G2)

G2 = alkoxy

G3 = 28



G4 = 104-4 100-27



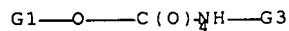
Patent location: claim 3

L36 ANSWER 4 OF 5 MARPAT COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 139:133256 MARPAT Full-text
 TITLE: Preparation of alkyl carbamates from nonaromatic
 amines and dialkyl carbamates
 INVENTOR(S): Kuroiwa, Takumi; Yoshida, Isamu; Sasaki, Hiroaki;
 Hirata, Fumiaki; Baba, Toshihide
 PATENT ASSIGNEE(S): Mitsui Takeda Chemical Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

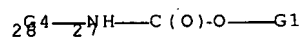
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--------------------------------------|------|----------|-----------------|----------|
| JP 2003212835 | A | 20030730 | JP 2002-15087 | 20020124 |
| PRIORITY APPLN. INFO.: | | | JP 2002-15087 | 20020124 |
| OTHER SOURCE(S): CASREACT 139:133256 | | | | |

AB Alkyl carbamates are prepared in high selectivity and high yield by reacting aliphatic amines, alicyclic amines, or araliph. amines with dialkyl carbonates in the presence of thiocyanic acid compds. Water content of the thiocyanic acid compds. is preferably $\leq 3\%$ not to prevent reactivity. A mixture of Me_2CO_3 , $\text{H}_2\text{N}(\text{CH}_2)_6\text{NH}_2$, and NaSCN was stirred at 70° for 8 h to give 63% $\text{MeOCONH}(\text{CH}_2)_6\text{NHCO}_2\text{Me}$ and 20% $\text{H}_2\text{N}(\text{CH}_2)_6\text{NHCO}_2\text{Me}$.

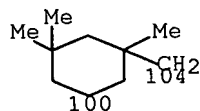
MSTR 2



G1 = hydrocarbyl <containing 1-12 C>
 (opt. substd. by (1-5) G2)
 G2 = alkoxy
 G3 = 28



G4 = 104-4 100-27



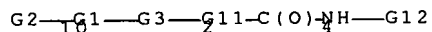
Patent location: claim 3

L36 ANSWER 5 OF 5 MARPAT COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 121:87409 MARPAT Full-text
 TITLE: Perfluoroalkyl terminated urethane lubricants
 INVENTOR(S): Kleiner, Eduard K.; Karydas, Athanasios
 PATENT ASSIGNEE(S): Dynax Corp., USA
 SOURCE: PCT Int. Appl., 29 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

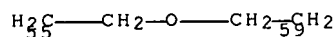
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 9411468 | A1 | 19940526 | WO 1993-US9819 | 19931014 |
| RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| US 5502225 | A | 19960326 | US 1992-972825 | 19921109 |
| US 5571779 | A | 19961105 | US 1995-558905 | 19951115 |
| PRIORITY APPLN. INFO.: | | | US 1992-972825 | 19921109 |

AB This invention relates to perfluoroalkyl group terminated urethanes, thiourethanes and ureas of the general formula: (R-X-CONH)_mA where m is 1, 2, or 3, R is Rf-E and optionally R1 with the proviso that at least one R is Rf-E, Rf is a perfluoroalkyl group, R1 is a hydrocarbon group, E is a linkage group, X is -O-, -S-, -NHR2- and R2 is H or lower alkyl and A is RfE or R1 if m is 1 and a divalent or trivalent linkage group if m is 2 or 3 resp. Compds. of this general formula are useful as solid lubricants or as additives for waxes and resins providing lubricating properties.

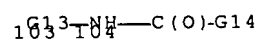
MSTR 1



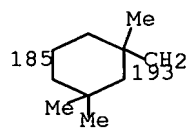
G1 = perfluoroalkylene <containing 6-20 C>
 G3 = 55-10 59-2



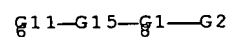
G11 = O
 G12 = 103



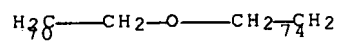
G13 = 193-4 185-104



G14 = 6



G15 = 70-8 74-6



Patent location:

Note:

claim 1

G3, G15 and G21 alkylene alternative may further contain 2-3 interruptions

Structure Search

=> FILE HCAPLUS

FILE 'HCAPLUS' ENTERED AT 12:25:38 ON 27 MAR 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 27 Mar 2007 VOL 146 ISS 14

FILE LAST UPDATED: 26 Mar 2007 (20070326/ED)

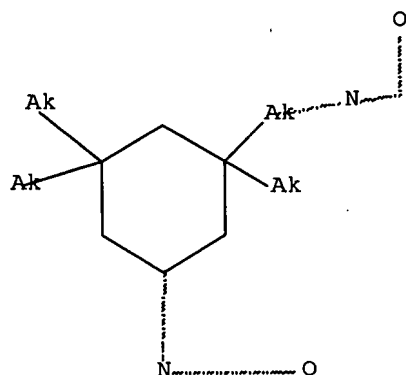
New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

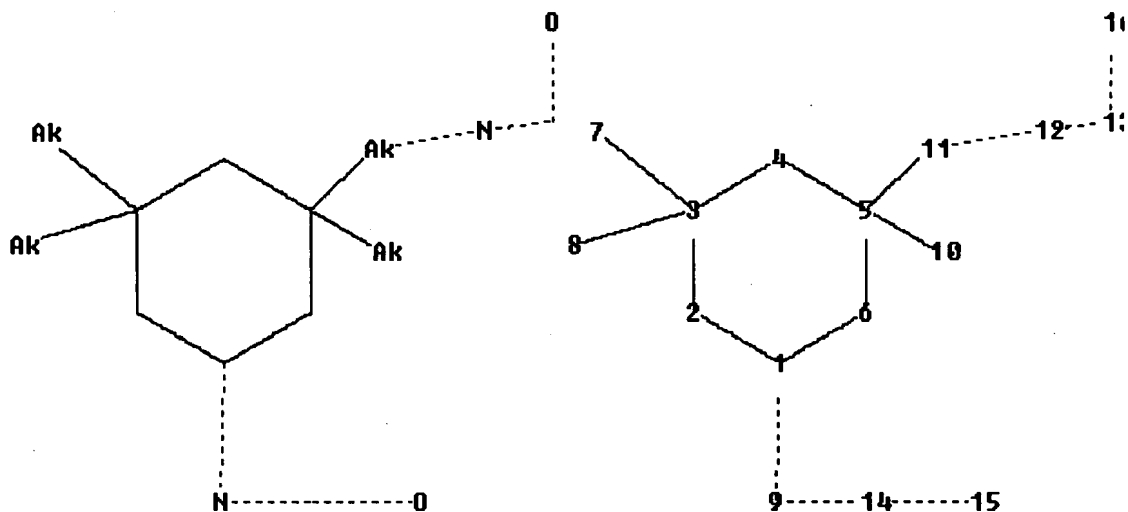
'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

=> D QUE L28

L1 STR



Structure attributes must be viewed using STN Express query preparation:
Uploading L1-B.str



chain nodes :

7 8 9 10 11 12 13 14 15 16

ring nodes :

1 2 3 4 5 6

chain bonds :

1-9 3-7 3-8 5-10 5-11 9-14 11-12 12-13 13-16 14-15

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

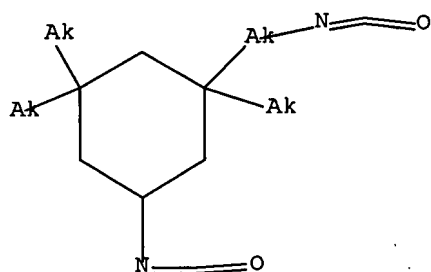
exact/norm bonds :

1-2 1-6 1-9 2-3 3-4 3-7 3-8 4-5 5-6 5-10 5-11 9-14 11-12 12-13 13-16
14-15

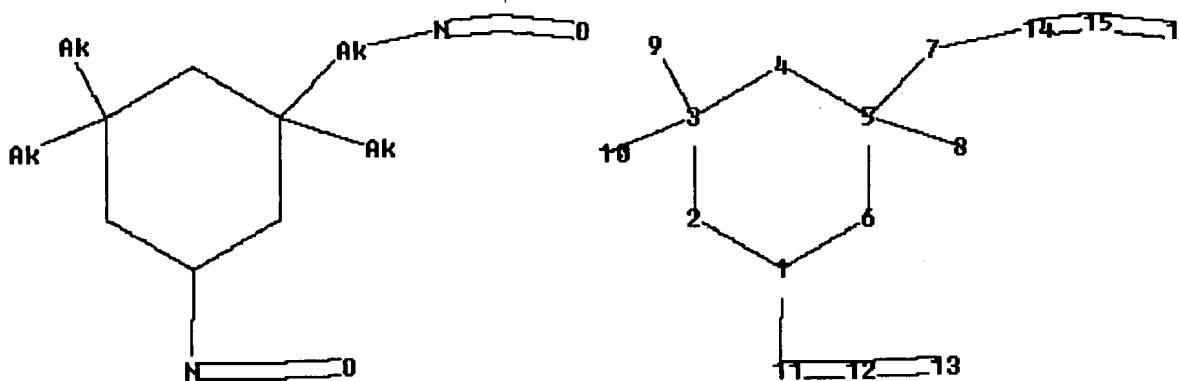
Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS

L3 13141 SEA FILE=REGISTRY SSS FUL L1
L7 STR



Structure attributes must be viewed using STN Express query preparation:
Uploading L4-BII.str



chain nodes :

7 8 9 10 11 12 13 14 15 16

ring nodes :

1 2 3 4 5 6

chain bonds :

1-11 3-9 3-10 5-7 5-8 7-14 11-12 12-13 14-15 15-16

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-2 1-6 1-11 2-3 3-4 3-9 3-10 4-5 5-6 5-7 5-8 7-14 11-12 12-13 14-15
15-16

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS

Element Count :

Node 7: Limited

C,C1-7

Node 8: Limited

C,C1-7

Node 9: Limited

C,C1-7

Node 10: Limited

C,C1-7

| | | | |
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| L9 | 13132 | SEA FILE=REGISTRY SUB=L3 | SSS FUL L7 |
| L10 | 6057 | SEA FILE=HCAPLUS ABB=ON | PLU=ON L9 |
| L20 | 81351 | SEA FILE=HCAPLUS ABB=ON | PLU=ON HAIR PREPARATIONS+OLD,NT/CT(L) CONDITIONER/OBI OR COSMETICS+OLD,NT/CT OR SHAMPOOS+OLD,NT/CT |
| L21 | 145 | SEA FILE=HCAPLUS ABB=ON | PLU=ON L10 AND L20 |
| L23 | 131 | SEA FILE=HCAPLUS ABB=ON | PLU=ON L21 AND 62/SC,SX |
| L24 | 129 | SEA FILE=HCAPLUS ABB=ON | PLU=ON L23 AND PATENT/DT |
| L25 | 106 | SEA FILE=HCAPLUS ABB=ON | PLU=ON L24 AND (PRY<=2003 OR AY<=2003 OR PY<=2003) |
| L26 | 2 | SEA FILE=HCAPLUS ABB=ON | PLU=ON L23 NOT L24 |
| L27 | 2 | SEA FILE=HCAPLUS ABB=ON | PLU=ON L26 AND PY<=2003 |
| L28 | 108 | SEA FILE=HCAPLUS ABB=ON | PLU=ON (L25 OR L27) |

=> S L28 NOT L16,L32

2 L15

2 L31

L37 108 L28 NOT (L16 OR L32)

=> D L37 IBIB ED ABS HITSTR 1-5; D L37 IBIB ED ABS HITSTR 55-60; D IBIB ED ABS HITSTR 103-108

L37 ANSWER 1 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:492383 HCAPLUS Full-text

DOCUMENT NUMBER: 143:31895

TITLE: Cosmetic packs containing polyurethanes

INVENTOR(S): Uramoto, Tadamitsu; Kamata, Tsutomu

PATENT ASSIGNEE(S): Pola Chemical Industries, Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DOCUMENT TYPE: **Patent**

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|--------------|
| JP 2005145835 | A | 20050609 | JP 2003-382216 | 20031112 <-- |
| PRIORITY APPLN. INFO.: | | | JP 2003-382216 | 20031112 <-- |

ED Entered STN: 10 Jun 2005

AB The packs, which show low skin irritation and good film-forming and peeling properties, contain [O(CH₂)_mO₂CC₆H₄CO]nO(CH₂)_mO₂CNHCH₂Q₁NHCO₂R₁NR₃R₂O₂CNHQ₂CH₂NHCO[O(CH₂)_mCOC₆H₄CO]pO(CH₂)_mO₂CNHCH₂Q₁ (m = 2-10; R₁, R₂ = C₁-4 alkylene; R₃ = C₁-4 alkyl; N substituted with R₃ may quaternized with R₄; R₄ = H, C₁-4 alkyl with anion; n, p = 10-1000 and Q₁ and Q₂ are IPDI moiety). A pack containing an emulsion of Elitel UE 3320-IPDI-N- methyl-diethanolamine copolymer was formulated.

IT **852486-82-9P 852486-83-0P**

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(cosmetic packs containing polyurethanes)

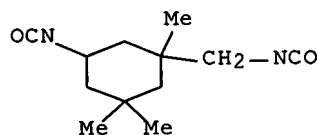
RN 852486-82-9 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid, 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol] (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

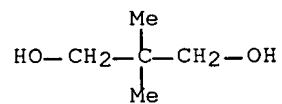
CMF C12 H18 N2 O2



CM 2

CRN 126-30-7

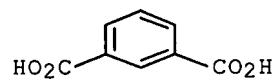
CMF C5 H12 O2



CM 3

CRN 121-91-5

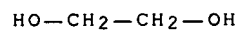
CMF C8 H6 O4



CM 4

CRN 107-21-1

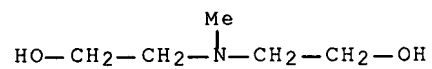
CMF C2 H6 O2



CM 5

CRN 105-59-9

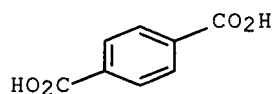
CMF C5 H13 N O2



CM 6

CRN 100-21-0

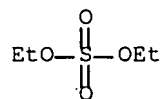
CMF C8 H6 O4



RN 852486-83-0 HCAPLUS
 CN 1,3-Benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid, 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol], compd. with diethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 64-67-5
 CMF C4 H10 O4 S

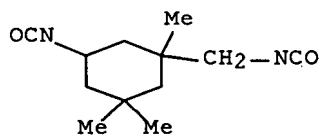


CM 2

CRN 852486-82-9
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 CCI PMS

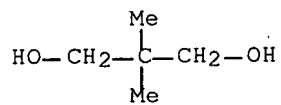
CM 3

CRN 4098-71-9
 CMF C12 H18 N2 O2



CM 4

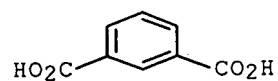
CRN 126-30-7
 CMF C5 H12 O2



CM 5

CRN 121-91-5

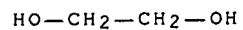
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CM 6

CRN 107-21-1

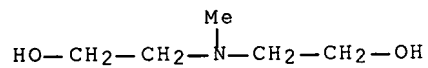
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CM 7

CRN 105-59-9

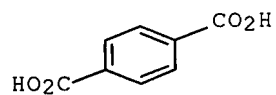
CMF C5 H13 N O2



CM 8

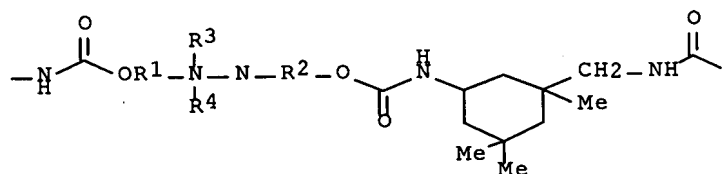
CRN 100-21-0

CMF C8 H6 O4



L37 ANSWER 2 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:470089 HCAPLUS Full-text
 DOCUMENT NUMBER: 143:31888
 TITLE: Makeup compositions containing polyurethanes
 INVENTOR(S): Kamata, Tsutomu; Kuroda, Ayako
 PATENT ASSIGNEE(S): Pola Chemical Industries, Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: **Patent**
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|--------------|
| JP 2005139097 | A | 20050602 | JP 2003-375469 | 20031105 <-- |
| PRIORITY APPLN. INFO.: ED Entered STN: 02 Jun 2005 GI | | | JP 2003-375469 | 20031105 <-- |



I

AB The makeup compns. contain polyurethanes I [m, l = 2-10 integer; R1, R2 = C1-4 alkylene; R3 = C1-4 alkyl; R4 = none, H, C1-4 alkyl having anionic part; A = phenylene; n, p = 10-1000; N+(N) indicates cationic N or nonionic N]. An eye liner containing .apprx.2 weight% WBR 610 (polyester-polyurethane) showed good adhesion to the skin. A polyurethane was prepared from Elitel UE 3320 (phthalate-based polyester diol), isophorone diisocyanate, and N-methyldiethanolamine.

IT 852675-31-1, WBR 2025

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (WBR 2025, assumed monomers; makeup compns. containing polyester-polyurethanes for long-lasting makeup effect)

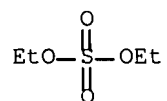
RN 852675-31-1 HCAPLUS

CN Benzenedicarboxylic acid, polymer with 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol], compd. with diethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 64-67-5

CMF C4 H10 O4 S



CM 2

CRN 852675-30-0

CMF (C12 H18 N2 O2 . C8 H6 O4 . C5 H13 N O2 . C2 H6 O2)x

CCI PMS

CM 3

CRN 29010-86-4

CMF C8 H6 O4

CCI IDS

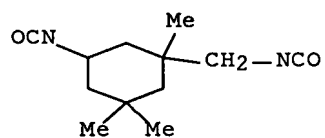


2 [D1-CO₂H]

CM 4

CRN 4098-71-9

CMF C12 H18 N2 O2



CM 5

CRN 107-21-1

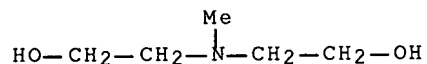
CMF C2 H6 O2

HO-CH₂-CH₂-OH

CM 6

CRN 105-59-9

CMF C5 H13 N O2



IT **852675-30-0**, Benzenedicarboxylic acid-ethylene glycol-isophorone diisocyanate-N-methyldiethanolamine copolymer
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (WBR 610, assumed monomers; makeup compns. containing polyester-polyurethanes for long-lasting makeup effect)

RN 852675-30-0 HCAPLUS

CN Benzenedicarboxylic acid, polymer with 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol] (9CI) (CA INDEX NAME)

CM 1

CRN 29010-86-4

CMF C8 H6 O4

CCI IDS

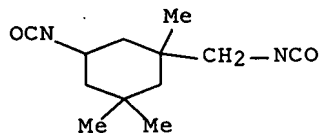


2 [D1-CO2H]

CM 2

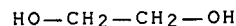
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CMF C12 H18 N2 O2



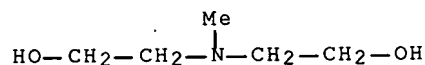
CM 3

CRN 107-21-1
CMF C2 H6 O2



CM 4

CRN 105-59-9
CMF C5 H13 N O2



IT **852486-82-9P 852486-83-0P**

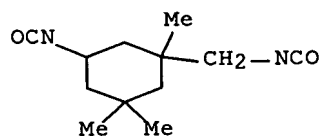
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(comprised of actual and assumed monomers; makeup compns. containing polyester-polyurethanes for long-lasting makeup effect)

RN 852486-82-9 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid, 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol] (9CI) (CA INDEX NAME)

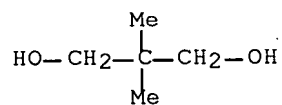
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CRN 4098-71-9
CMF C12 H18 N2 O2



CM 2

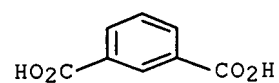
CRN 126-30-7
CMF C5 H12 O2



CM 3

CRN 121-91-5

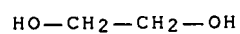
CMF C8 H6 O4



CM 4

CRN 107-21-1

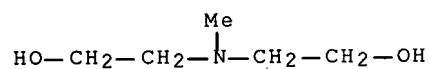
CMF C2 H6 O2



CM 5

CRN 105-59-9

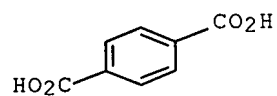
CMF C5 H13 N O2



CM 6

CRN 100-21-0

CMF C8 H6 O4

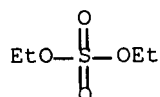


RN 852486-83-0 HCAPLUS
 CN 1,3-Benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid,
 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol, 5-isocyanato-1-
 (isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-
 (methylimino)bis[ethanol], compd. with diethyl sulfate (9CI) (CA INDEX
 NAME)

CM 1

CRN 64-67-5

CMF C4 H10 O4 S



CM 2

CRN 852486-82-9

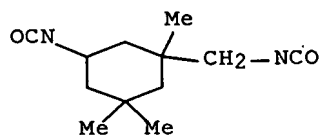
CMF (C12 H18 N2 O2 . C8 H6 O4 . C8 H6 O4 . C5 H13 N O2 . C5 H12 O2 . C2
 H6 O2)x

CCI PMS

CM 3

CRN 4098-71-9

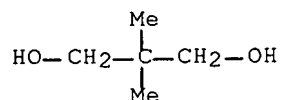
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CM 4

CRN 126-30-7

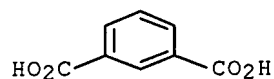
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CM 5

CRN 121-91-5

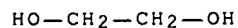
CMF C8 H6 O4



CM 6

CRN 107-21-1

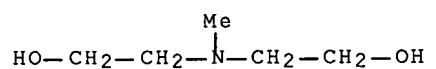
CMF C2 H6 O2



CM 7

CRN 105-59-9

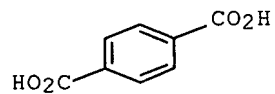
CMF C5 H13 N O2



CM 8

CRN 100-21-0

CMF C8 H6 O4



TITLE: Protective cosmetics containing polyurethanes having skin-moisturizing and barrier function-improving effects

INVENTOR(S): Uramoto, Tadamitsu; Kamata, Tsutomu

PATENT ASSIGNEE(S): Pola Chemical Industries, Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF

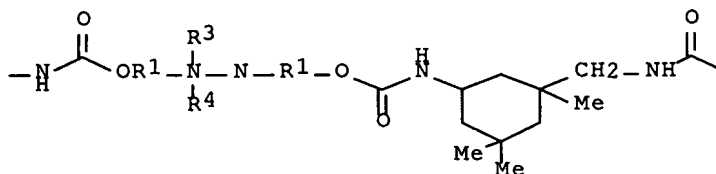
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-----------------------------|------|----------|-----------------|--------------|
| JP 2005139095 | A | 20050602 | JP 2003-375361 | 20031105 <-- |
| PRIORITY APPLN. INFO.: | | | JP 2003-375361 | 20031105 <-- |
| ED Entered STN: 02 Jun 2005 | | | | |
| GI | | | | |



I

AB The protective cosmetics contain polyurethanes I [m, l = 2-10 integer; R1, R2 = C1-4 alkylene; R3 = C1-4 alkyl; R4 = none, H, C1-4 alkyl having anionic part; A = phenylene; n, p = 10-1000; N+(N) indicates cationic N or nonionic N]. Preferably, the cosmetics also contain antibacterial polyols and/or phenoxyethanol. A skin cream containing WBR 610 (polyester- polyurethane) 5, glycerin 5, 1,3-butanediol 5, 1,2-hexanediol 3, and phenoxyethanol 0.5 weight% showed 27.5% decrease of TEWL (transepidermal water loss) and good skin-smoothing and -moisturizing effects in humans. A polyurethane was prepared from Elitel UE 3320 (phthalate-based polyester diol), isophorone diisocyanate, and N-methyldiethanolamine.

IT 852675-31-1, WBR 2025

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(WBR 2025, assumed monomers; protective cosmetics having skin-moisturizing and barrier function-improving effects, containing polyester-polyurethanes and optionally, antibacterial polyols and phenoxyethanol)

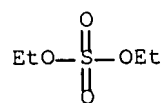
RN 852675-31-1 HCAPLUS

CN Benzenedicarboxylic acid, polymer with 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol], compd. with diethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 64-67-5

CMF C4 H10 O4 S



CM 2

CRN 852675-30-0

CMF (C12 H18 N2 O2 . C8 H6 O4 . C5 H13 N O2 . C2 H6 O2)x

CCI PMS

CM 3

CRN 29010-86-4

CMF C8 H6 O4

CCI IDS

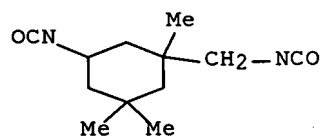


2 [D1-CO2H]

CM 4

CRN 4098-71-9

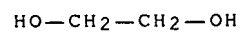
CMF C12 H18 N2 O2



CM 5

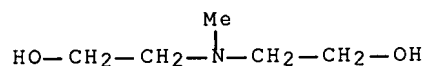
CRN 107-21-1

CMF C2 H6 O2



CM 6

CRN 105-59-9
CMF C5 H13 N O2



IT 852675-30-0, WBR 610

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(WBR 610, assumed monomers; protective cosmetics having skin-moisturizing and barrier function-improving effects, containing polyester-polyurethanes and optionally, antibacterial polyols and phenoxyethanol)

RN 852675-30-0 HCAPLUS

CN Benzenedicarboxylic acid, polymer with 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methyylimino)bis[ethanol] (9CI) (CA INDEX NAME)

CM 1

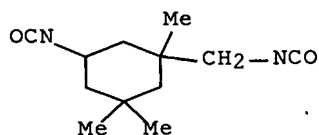
CRN 29010-86-4
CMF C8 H6 O4
CCI IDS



2 [D1-CO2H]

CM 2

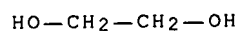
CRN 4098-71-9
CMF C12 H18 N2 O2



CM 3

CRN 107-21-1

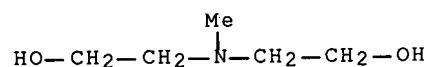
CMF C2 H6 O2



CM 4

CRN 105-59-9

CMF C5 H13 N O2



IT 852486-82-9P 852486-83-0P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(comprised of actual and assumed monomers; protective cosmetics having skin-moisturizing and barrier function-improving effects, containing polyester-polyurethanes and optionally, antibacterial polyols and phenoxyethanol)

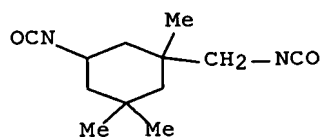
RN 852486-82-9 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid, 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol] (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

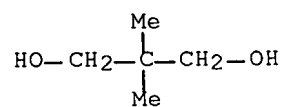
CMF C12 H18 N2 O2



CM 2

CRN 126-30-7

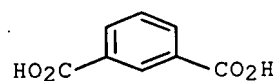
CMF C5 H12 O2



CM 3

CRN 121-91-5

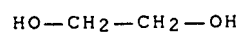
CMF C8 H6 O4



CM 4

CRN 107-21-1

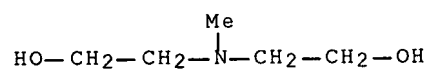
CMF C2 H6 O2



CM 5

CRN 105-59-9

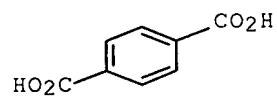
CMF C5 H13 N O2



CM 6

CRN 100-21-0

CMF C8 H6 O4

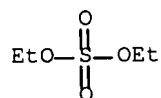


RN 852486-83-0 HCAPLUS
 CN 1,3-Benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid,
 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol, 5-isocyanato-1-
 (isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-
 (methylimino)bis[ethanol], compd. with diethyl sulfate (9CI) (CA INDEX
 NAME)

CM 1

CRN 64-67-5

CMF C4 H10 O4 S



CM 2

CRN 852486-82-9

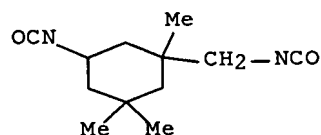
CMF (C12 H18 N2 O2 . C8 H6 O4 . C8 H6 O4 . C5 H13 N O2 . C5 H12 O2 . C2
 H6 O2)x

CCI PMS

CM 3

CRN 4098-71-9

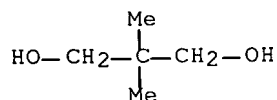
CMF C12 H18 N2 O2



CM 4

CRN 126-30-7

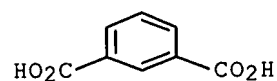
CMF C5 H12 O2



CM 5

CRN 121-91-5

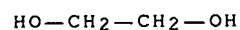
CMF C8 H6 O4



CM 6

CRN 107-21-1

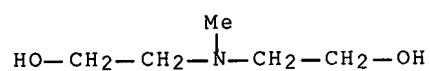
CMF C2 H6 O2



CM 7

CRN 105-59-9

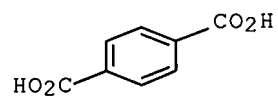
CMF C5 H13 N O2



CM 8

CRN 100-21-0

CMF C8 H6 O4



TITLE: Transparent oil gelling system
 INVENTOR(S): Luo, Dexin; Wang, Tian Xiang; Tabakman, Tatyana;
 Nazar, Shahan; Hasher, Steve; Gubernick, Joseph
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 5 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|------|----------|-----------------|--------------|
| US 2005112161 | A1 | 20050526 | US 2004-985781 | 20041110 <-- |
| AU 2004291053 | A1 | 20050602 | AU 2004-291053 | 20041108 <-- |
| CA 2545456 | A1 | 20050602 | CA 2004-2545456 | 20041108 <-- |
| WO 2005048766 | A2 | 20050602 | WO 2004-US37016 | 20041108 <-- |
| WO 2005048766 | A3 | 20050811 | | |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
 CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO,
 SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
 NE, SN, TD, TG

| | | | | |
|------------|----|----------|----------------|--------------|
| EP 1686953 | A2 | 20060809 | EP 2004-819057 | 20041108 <-- |
|------------|----|----------|----------------|--------------|

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS

PRIORITY APPLN. INFO.: US 2003-519583P P 20031113 <--
 WO 2004-US37016 W 20041108

ED Entered STN: 27 May 2005

AB The invention relates to a gellant system comprising gellant effective amts.
 of at least one silica and at least one sugar fatty acid ester. The gellant
 system of the invention is useful in gelling polar oils to produce transparent
 or translucent gels useful in topical compns. : For example, a composition
 contained castor oil 33.21%, fumed silica 1.79%, sucrose acetate dibutyrate
 62.00%, isopropylparaben/isobutylparaben/butylparaben 0.10%, Polyglyceryl-2-
 diisostearate/IPDI copolymer 2.00%, vitamin E 0.10%, and Me glucose
 sesquistearate 0.80%.

IT 851956-16-6

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (transparent oil gelation system based on silica and sugar fatty acid
 ester)

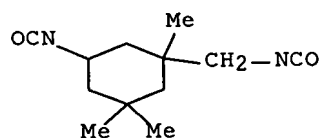
RN 851956-16-6 HCAPLUS

CN 1,2,3-Propanetriol, homopolymer, diisooctadecanoate, polymer with
 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (9CI) (CA
 INDEX NAME)

CM 1

CRN 4098-71-9

CMF C12 H18 N2 O2



CM 2

CRN 63705-03-3

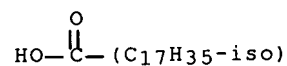
CMF C18 H36 O2 . 1/2 (C3 H8 O3)x

CM 3

CRN 30399-84-9

CMF C18 H36 O2

CCI IDS



CM 4

CRN 25618-55-7

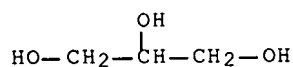
CMF (C3 H8 O3)x

CCI PMS

CM 5

CRN 56-81-5

CMF C3 H8 O3



L37 ANSWER 5 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:135700 HCAPLUS Full-text

DOCUMENT NUMBER: 142:225257

TITLE: Hollow resin particulates, and cosmetics containing them

INVENTOR(S): Yamamoto, Yusuke

PATENT ASSIGNEE(S): Sanyo Chemical Industries, Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 19 pp.

CODEN: JKXXAF

DOCUMENT TYPE: **Patent**

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|--------------|
| JP 2005041948 | A | 20050217 | JP 2003-201309 | 20030724 <-- |
| PRIORITY APPLN. INFO.: | | | JP 2003-201309 | 20030724 <-- |

ED Entered STN: 17 Feb 2005

AB Cosmetics contain hollow resin particulates comprising polymers having Tg -40 to 70°. A polycaprolactone diol was heated with IPDI to give an isocyanate-terminated urethane prepolymer, 50 which was mixed with n-hexane, diethylenetriamine MIBK ketimine, yellow iron oxide, a polyester-polyoxyalkylene-polyurethane (dispersant), and H₂O, the mixture was heated at 50° for 10 h, mixed with 1 part Syloid 978 (antiblocking agent), filtered, dried, and the resulting polyurethane particulates were heated for 5 h in an circulating air dryer to give hollow polyurethane particulates showing Tg 53°, number-average particle size 14.2 µm, hardness 1.5 MPa, and bulk d. 0.62 g/cm³. A cosmetic composition containing the hollow polyurethane particulates 10, squalane 10, talc 20, and mica 35 weight parts showed soft feel and good spreadability on the skin.

IT 834155-55-4P

RL: COS (Cosmetic use); IMF (Industrial manufacture); PRP (Properties);
BIOL (Biological study); PREP (Preparation); USES (Uses)

(comprised of actual and assumed monomers; preparation of hollow resin
particulates for imparting soft feel and good spreadability to
cosmetics)

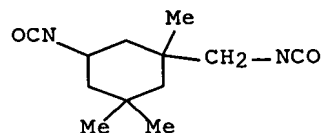
RN 834155-55-4 HCAPLUS

CN Hexanedioic acid, polymer with N-(2-aminoethyl)-1,2-ethanediamine,
1,2-ethanediol and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-
trimethylcyclohexane (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

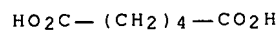
CMF C12 H18 N2 O2



CM 2

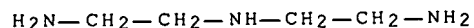
CRN 124-04-9

CMF C6 H10 O4



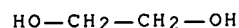
CM 3

CRN 111-40-0
CMF C4 H13 N3



CM 4

CRN 107-21-1
CMF C2 H6 O2



L37 ANSWER 55 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2002:61630 HCAPLUS Full-text
 DOCUMENT NUMBER: 136:119957
 TITLE: Amphoteric polyurethane compositions for antisoiling
 antiblocking coatings and glossy hair conditioners
 INVENTOR(S): Koyama, Katsuya; Asaoka, Seiji; Sakurai, Akio;
 Hashimoto, Tomohiro
 PATENT ASSIGNEE(S): Nippon NSC K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: **Patent**
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|--------------|
| JP 2002020451 | A | 20020123 | JP 2000-207307 | 20000707 <-- |
| PRIORITY APPLN. INFO.: | | | JP 2000-207307 | 20000707 <-- |

ED Entered STN: 23 Jan 2002

AB Title compns. contain polyurethanes bearing CO₂H groups and tertiary amino groups, and have structural repeating units derived from (HOR₂)CR₁(R₃OH)R₄OR₅SiR₆R₇(OSiR₈R₉)mR₁₀ (R₁ = C₁-24 alkyl; R₂-R₄ = C₁-3 alkylene; R₅ = C₃-5 alkylene; R₆-R₉ = C₁-20 alkyl; R₁₀ = Me, Et; m = 1-200). Thus, aqueous solution of amphoteric polyurethane-polysiloxane graft copolymer prepared from IPDI 70, poly(hexamethylene adipate) (mol. weight 2000) 220, (OHCH₂)₂C₂EtCH₂OC₃H₆SiMe₂(OSiMe₂)mMe (mol. weight 1000) 8, dimethylolbutanoic acid 14, N-methyldiethanolamine 2, and Et₃N 9 g was applied on a glass plate to give a transparent coating with gloss ≥80 at 60° and gloss retention >80 when exposed to outdoors for 2 mo.

IT **391241-18-2DP**, 1,4-Cyclohexanedimethanol-dimethylolbutanoic acid-dimethylsilanediol-IPDI-N-methyldiethanolamine-polyethylene

glyol-polypropylene glycol graft copolymer potassium salt,
 trimethylsilyl-terminated **391241-20-6DP**, 1,4-
 Cyclohexanedimethanol-dimethylolbutanoic acid-dimethylsilanediol-IPDI-N-
 methyldiethanolamine-polyethylene glyol-polypropylene glycol-
 trimethylolpropane copolymer potassium salt, trimethylsilyl-terminated
 RL: COS (Cosmetic use); IMF (Industrial manufacture); BIOL (Biological
 study); PREP (Preparation); USES (Uses)

(siloxane-grafted amphoteric polyurethane compns. for antisoiling
 antiblocking coatings and glossy hair conditioners)

RN 391241-18-2 HCAPLUS

CN Butanoic acid, bis(hydroxymethyl)-, polymer with 1,4-
 cyclohexanedimethanol, dimethylsilanediol, α -hydro- ω -
 hydroxypoly(oxy-1,2-ethanediyl), α -hydro- ω -
 hydroxypoly[oxy(methyl-1,2-ethanediyl)], 5-isocyanato-1-(isocyanatomethyl)-
 1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol], graft,
 potassium salt (9CI) (CA INDEX NAME)

CM 1

CRN 391241-17-1

CMF (C12 H18 N2 O2 . C8 H16 O2 . C6 H12 O4 . C5 H13 N O2 . (C3 H6 O)n H2
 O . C2 H8 O2 Si . (C2 H4 O)n H2 O)x

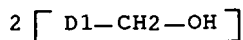
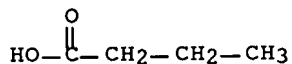
CCI PMS

CM 2

CRN 56743-27-2

CMF C6 H12 O4

CCI IDS

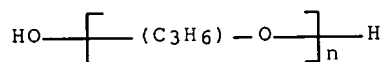


CM 3

CRN 25322-69-4

CMF (C3 H6 O)n H2 O

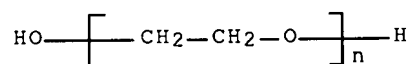
CCI IDS, PMS



CM 4

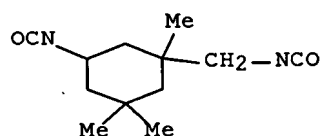
CRN 25322-68-3

CMF (C2 H4 O)n H2 O
CCI PMS



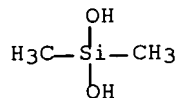
CM 5

CRN 4098-71-9
CMF C12 H18 N2 O2



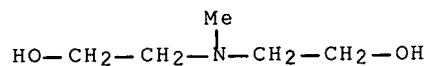
CM 6

CRN 1066-42-8
CMF C2 H8 O2 Si



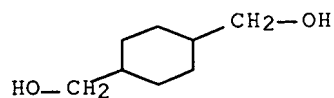
CM 7

CRN 105-59-9
CMF C5 H13 N O2



CM 8

CRN 105-08-8
CMF C8 H16 O2



RN 391241-20-6 HCAPLUS

CN Butanoic acid, bis(hydroxymethyl)-, polymer with 1,4-cyclohexanedimethanol, dimethylsilanediol, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, α -hydro- ω -hydroxypoly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxypoly[oxy(methyl-1,2-ethanediyl)], 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methyylimino)bis[ethanol], potassium salt (9CI) (CA INDEX NAME)

CM 1

CRN 391241-19-3

CMF (C12 H18 N2 O2 . C8 H16 O2 . C6 H14 O3 . C6 H12 O4 . C5 H13 N O2 . (C3 H6 O)n H2 O . C2 H8 O2 Si . (C2 H4 O)n H2 O)x

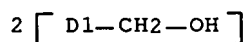
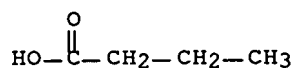
CCI PMS

CM 2

CRN 56743-27-2

CMF C6 H12 O4

CCI IDS

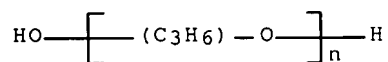


CM 3

CRN 25322-69-4

CMF (C3 H6 O)n H2 O

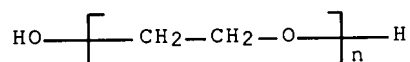
CCI IDS, PMS



CM 4

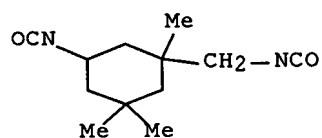
CRN 25322-68-3

CMF (C2 H4 O)n H2 O
CCI PMS



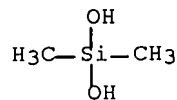
CM 5

CRN 4098-71-9
CMF C12 H18 N2 O2



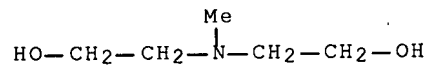
CM 6

CRN 1066-42-8
CMF C2 H8 O2 Si



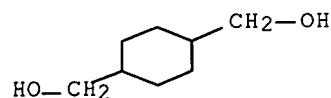
CM 7

CRN 105-59-9
CMF C5 H13 N O2



CM 8

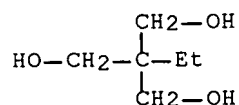
CRN 105-08-8
CMF C8 H16 O2



CM 9

CRN 77-99-6

CMF C6 H14 O3



IT **391241-10-4DP**, trimethylsilyl-terminated **391241-13-7DP**, Adipic acid-dimethylolbutanoic acid-dimethylsilanediol-1,6-hexanediol-IPDI-N-methyldiethanolamine-polyethylene glycol graft copolymer triethylamine salt, trimethylsilyl-terminated **391241-16-ODP**, Adipic acid-dimethylolbutanoic acid-dimethylsilanediol-1,6-hexanediol-IPDI-N-methyldiethanolamine-trimethylolpropane copolymer triethylamine salt, trimethylsilyl-terminated
 RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (siloxane-grafted amphoteric polyurethane compns. for antisoiling antiblocking coatings and glossy hair conditioners)

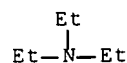
RN 391241-10-4 HCAPLUS

CN Hexanedioic acid, polymer with bis(hydroxymethyl)butanoic acid, dimethylsilanediol, 1,6-hexanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol], graft, compd. with N,N-diethylethanamine (9CI) (CA INDEX NAME)

CM 1

CRN 121-44-8

CMF C6 H15 N



CM 2

CRN 391241-09-1

CMF (C12 H18 N2 O2 . C6 H14 O2 . C6 H12 O4 . C6 H10 O4 . C5 H13 N O2 . C2 H8 O2 Si)x

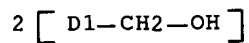
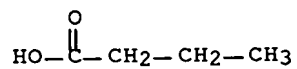
CCI PMS

CM 3

CRN 56743-27-2

CMF C6 H12 O4

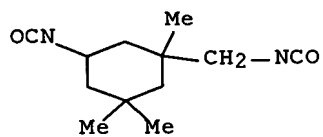
CCI IDS



CM 4

CRN 4098-71-9

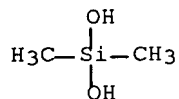
CMF C12 H18 N2 O2



CM 5

CRN 1066-42-8

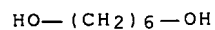
CMF C2 H8 O2 Si



CM 6

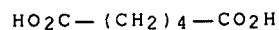
CRN 629-11-8

CMF C6 H14 O2



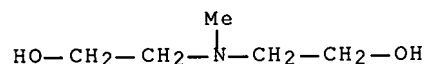
CM 7

CRN 124-04-9
CMF C6 H10 O4



CM 8

CRN 105-59-9
CMF C5 H13 N O2

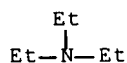


RN 391241-13-7 HCAPLUS

CN Hexanedioic acid, polymer with bis(hydroxymethyl)butanoic acid, dimethylsilanediol, 1,6-hexanediol, α -hydro- ω -hydroxypoly(oxy-1,2-ethanediyl), 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol], graft, compd. with N,N-diethylethanamine (9CI) (CA INDEX NAME)

CM 1

CRN 121-44-8
CMF C6 H15 N



CM 2

CRN 391241-12-6

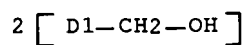
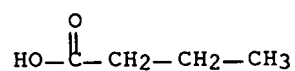
CMF (C12 H18 N2 O2 . C6 H14 O2 . C6 H12 O4 . C6 H10 O4 . C5 H13 N O2 . C2 H8 O2 Si . (C2 H4 O)n H2 O)x

CCI PMS

CM 3

CRN 56743-27-2
CMF C6 H12 O4

CCI IDS

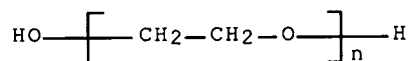


CM 4

CRN 25322-68-3

CMF (C2 H4 O)_n H2 O

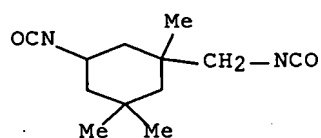
CCI PMS



CM 5

CRN 4098-71-9

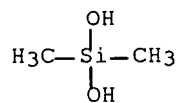
CMF C12 H18 N2 O2



CM 6

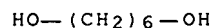
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CMF C2 H8 O2 Si



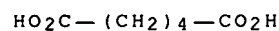
CM 7

CRN 629-11-8
CMF C6 H14 O2



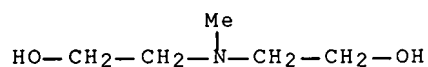
CM 8

CRN 124-04-9
CMF C6 H10 O4



CM 9

CRN 105-59-9
CMF C5 H13 N O2

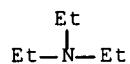


RN 391241-16-0 HCAPLUS

CN Hexanedioic acid, polymer with bis(hydroxymethyl)butanoic acid, dimethylsilanediol, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, 1,6-hexanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol], compd. with N,N-diethylethanamine (9CI) (CA INDEX NAME)

CM 1

CRN 121-44-8
CMF C6 H15 N



CM 2

CRN 391241-15-9

Serial No.:10/714,772

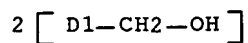
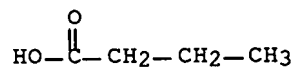
CMF (C12 H18 N2 O2 . C6 H14 O3 . C6 H14 O2 . C6 H12 O4 . C6 H10 O4 . C5
H13 N O2 . C2 H8 O2 Si)x
CCI PMS

CM 3

CRN 56743-27-2

CMF C6 H12 O4

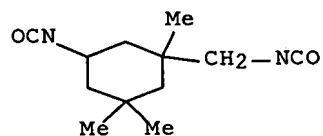
CCI IDS



CM 4

CRN 4098-71-9

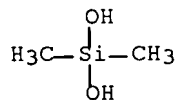
CMF C12 H18 N2 O2



CM 5

CRN 1066-42-8

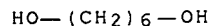
CMF C2 H8 O2 Si



CM 6

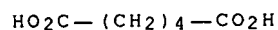
CRN 629-11-8

CMF C6 H14 O2



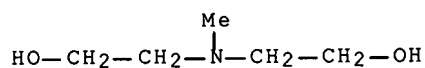
CM 7

CRN 124-04-9
CMF C6 H10 O4



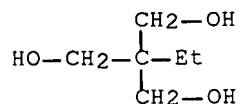
CM 8

CRN 105-59-9
CMF C5 H13 N O2



CM 9

CRN 77-99-6
CMF C6 H14 O3



L37 ANSWER 56 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:816398 HCAPLUS Full-text
DOCUMENT NUMBER: 135:362354
TITLE: Cosmetic compositions containing film forming polymers
plasticized with esters of malic acid
INVENTOR(S): Patil, Anjali Abhimanyu; Calello, Joseph Frank
PATENT ASSIGNEE(S): Revlon Consumer Products Corporation, USA
SOURCE: PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------------|
| WO 2001082866 | A2 | 20011108 | WO 2001-US13946 | 20010501 <-- |
| WO 2001082866 | A3 | 20020314 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 6342209 | B1 | 20020129 | US 2000-564448 | 20000504 <-- |
| AU 200159281 | A | 20011112 | AU 2001-59281 | 20010501 <-- |
| PRIORITY APPLN. INFO.: | | | US 2000-564448 | A 20000504 <-- |
| | | | WO 2001-US13946 | W 20010501 <-- |

ED Entered STN: 09 Nov 2001

AB A cosmetic composition for application to keratinous surfaces, such as a nail enamel, mascara, or makeup, contains at least one film-forming polymer and a plasticizer which is a C1-20 ester of malic acid. A film-forming polymer is (i) a synthetic polymer comprising acrylic acid, acrylic acid esters, and methacrylic acid esters monomers, and (ii) a natural polymer such as hydrolyzed keratin or cellulose. For example, a sun blocking cream was prepared containing Dow Corning 749 Fluid (film-forming polymer) 30.0%, iron oxide 3.5%, titanium dioxide 20.0%, zinc oxide 5.0%, boron nitride 7.8%, dioctyl malate (plasticizer) 0.20%, Dow Corning Silastic Q7-4350 (film-forming polymer) 7.0%, hexamethyl disiloxane 10%, cyclomethicone 11.5%, and trifluoropropylmethyl polysiloxane 5.0%.

IT 287724-77-0, Luviset PUR

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(cosmetic compns. containing film-forming polymers plasticized with esters of malic acid)

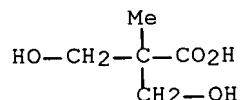
RN 287724-77-0 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with 2,2-dimethyl-1,3-propanediol, hexanedioic acid, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2-methyl-2,4-pentanediol (9CI) (CA INDEX NAME)

CM 1

CRN 4767-03-7

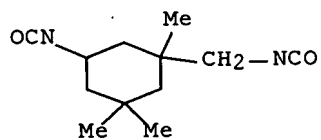
CMF C5 H10 O4



CM 2

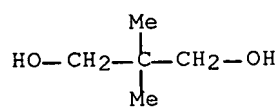
CRN 4098-71-9

CMF C12 H18 N2 O2



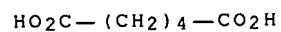
CM 3

CRN 126-30-7
CMF C5 H12 O2



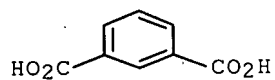
CM 4

CRN 124-04-9
CMF C6 H10 O4



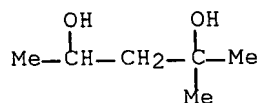
CM 5

CRN 121-91-5
CMF C8 H6 O4



CM 6

CRN 107-41-5
CMF C6 H14 O2



L37 ANSWER 57 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2001:693795 HCAPLUS Full-text
 DOCUMENT NUMBER: 135:262004
 TITLE: Hair styling compositions containing polymers
 INVENTOR(S): Brandt, Lorelei Marie; Neill, Paul Howard; Wydila, John Edward
 PATENT ASSIGNEE(S): Unilever Home & Personal Care Usa, Division of Conopco, Inc., USA
 SOURCE: U.S. Pat. Appl. Publ., 9 pp., Cont. of U.S. Ser. No. 275,149.
 CODEN: USXXCO
 DOCUMENT TYPE: **Patent**
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|------|----------|-----------------|-----------------|
| US 2001022967 | A1 | 20010920 | US 2001-826498 | 20010404 <-- |
| US 7179451 | B2 | 20070220 | | |
| CA 2300491 | A1 | 20000924 | CA 2000-2300491 | 20000313 <-- |
| | | | US 1999-275149 | A1 19990324 <-- |

PRIORITY APPLN. INFO.:

ED Entered STN: 21 Sep 2001

AB The composition comprises: <1.5% 1 or more holding polymers, 1 or more saccharides having monomeric units >2, and a carrier. Thus, a formulation contained hydroxyethyl cellulose 0.125, Polymer-1189 [1-vinyl-2-pyrrolidone/vinylcaprolactam-3-(N-dimethylaminopropyl)methacrylamide] copolymer 3.125 and water qs to 100%. The effect of the formulation on the hair curl retention was determined

IT **287724-77-0**, Luviset PUR

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(hair styling compns. containing polymers)

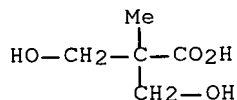
RN 287724-77-0 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with 2,2-dimethyl-1,3-propanediol, hexanedioic acid, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2-methyl-2,4-pentanediol (9CI) (CA INDEX NAME)

CM 1

CRN 4767-03-7

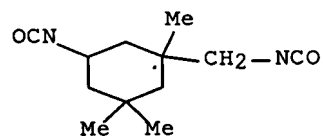
CMF C5 H10 O4



CM 2

CRN 4098-71-9

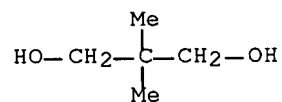
CMF C12 H18 N2 O2



CM 3

CRN 126-30-7

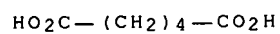
CMF C5 H12 O2



CM 4

CRN 124-04-9

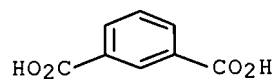
CMF C6 H10 O4



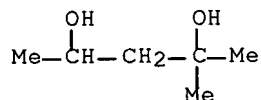
CM 5

CRN 121-91-5

CMF C8 H6 O4



CM 6

CRN 107-41-5
CMF C6 H14 O2

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L37 ANSWER 58 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2001:564806 HCAPLUS Full-text
 DOCUMENT NUMBER: 135:157380
 TITLE: Cleansing articles containing isolated benefit areas
 INVENTOR(S): Beck, Petra Helga; Lorenzi, Marc Paul; Phipps, Nicola
 Jacqueline
 PATENT ASSIGNEE(S): Procter + Gamble Company, USA
 SOURCE: PCT Int. Appl., 125 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: **Patent**
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------------|
| WO 2001054661 | A1 | 20010802 | WO 2001-US2468 | 20010125 <-- |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2396627 | A1 | 20010802 | CA 2001-2396627 | 20010125 <-- |
| AU 2001034561 | A5 | 20010807 | AU 2001-34561 | 20010125 <-- |
| EP 1250123 | A1 | 20021023 | EP 2001-906678 | 20010125 <-- |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| BR 2001007791 | A | 20030218 | BR 2001-7791 | 20010125 <-- |
| JP 2003521490 | T | 20030715 | JP 2001-555640 | 20010125 <-- |
| PRIORITY APPLN. INFO.: | | | US 2000-493528 | A 20000128 <-- |
| | | | WO 2001-US2468 | W 20010125 <-- |

ED Entered STN: 03 Aug 2001

AB The present invention relates to an article suitable for cleansing wherein the article comprises: (a) a substrate sheet which comprises: (1) a first substrate layer; and (2) a second substrate layer attached to said first layer; (b) a cleansing component disposed adjacent to said substrate sheet; and (c) a therapeutic benefit component disposed adjacent to said substrate

sheet wherein said therapeutic benefit component occupies less than about 50 cm² of the substrate sheet per g of therapeutic benefit component. In a preferred embodiment, the present invention also relates to the above-described article wherein the second substrate layer is sealed to the first layer to thereby form at least one reservoir seal in at least one surface of said substrate sheet wherein the reservoir seal is in a form selected from the group consisting of shapes, designs, logos, and combinations thereof. In another embodiment, the cleansing article of the present invention may be modified to impart solely therapeutic benefits. This article comprises: (a) a substrate sheet which comprises: (1) a first substrate layer; and (2) a second substrate layer attached to said first layer; and (b) a therapeutic benefit component disposed adjacent to said substrate sheet wherein said therapeutic benefit component occupies less than about 50 cm² of the substrate sheet per g of therapeutic benefit component. The present invention further relates to methods of use for the articles disclosed. A soap bar contained magnesium and sodium soap 80.16, water 11.50, stearic acid 5.70, sodium chloride 1.10, EDTA 0.25, perfume 1.15, and excipients 0.14%.

IT 220579-72-6, Sancure 2710

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(cleansing articles containing isolated benefit areas)

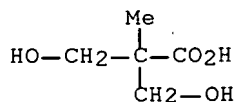
RN 220579-72-6 HCAPLUS

CN Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1,2-propanediol (9CI) (CA INDEX NAME)

CM 1

CRN 4767-03-7

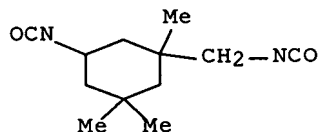
CMF C5 H10 O4



CM 2

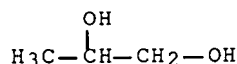
CRN 4098-71-9

CMF C12 H18 N2 O2



CM 3

CRN 57-55-6
CMF C3 H8 O2



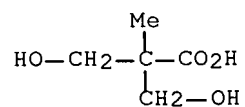
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L37 ANSWER 59 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:516273 HCAPLUS Full-text
DOCUMENT NUMBER: 135:81803
TITLE: Hair cosmetic composition containing a cationic fructan and a capped polymer
INVENTOR(S): Dubief, Claude; Restle, Serge
PATENT ASSIGNEE(S): L'oreal, Fr.
SOURCE: Fr. Demande, 31 pp.
CODEN: FRXXBL
DOCUMENT TYPE: **Patent**
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|--------------|
| FR 2795954 | A1 | 20010112 | FR 1999-8962 | 19990709 <-- |
| FR 2795954 | B1 | 20010907 | | |
| PRIORITY APPLN. INFO.: | | | FR 1999-8962 | 19990709 <-- |
| ED Entered STN: 18 Jul 2001 | | | | |
| AB A cosmetic composition is disclosed which is intended for treatment of keratinous materials such as the hair and comprises a cosmetically acceptable vehicle, at least one capped polymer such as an anionic, non-ionic, or amphoteric polymer, and at least one fructan possessing an amino group. The composition may be used for washing and maintaining the hair or for shaping the coiffure. | | | | |
| IT 287724-77-0 , LUIVET PUR | | | | |
| RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); | | | | |
| BIOL (Biological study); USES (Uses) | | | | |
| (hair cosmetic composition containing a cationic fructan and a capped polymer) | | | | |
| RN 287724-77-0 HCAPLUS | | | | |
| CN 1,3-Benzenedicarboxylic acid, polymer with 2,2-dimethyl-1,3-propanediol, hexanedioic acid, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2-methyl-2,4-pentanediol (9CI) (CA INDEX NAME) | | | | |

CM 1

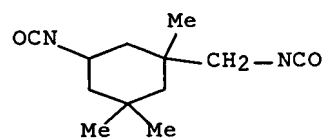
CRN 4767-03-7
CMF C5 H10 O4



CM 2

CRN 4098-71-9

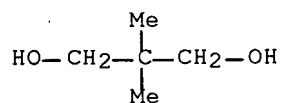
CMF C12 H18 N2 O2



CM 3

CRN 126-30-7

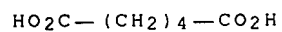
CMF C5 H12 O2



CM 4

CRN 124-04-9

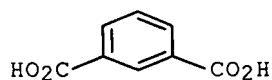
CMF C6 H10 O4



CM 5

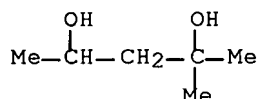
CRN 121-91-5

CMF C8 H6 O4



CM 6

CRN 107-41-5
CMF C6 H14 O2



L37 ANSWER 60 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2001:380368 HCAPLUS Full-text
 DOCUMENT NUMBER: 134:371625
 TITLE: Personal care articles comprising anionic polymer
 coacervate compositions
 INVENTOR(S): Smith, Edward Dewey, III; Beerse, Peter William
 PATENT ASSIGNEE(S): The Procter + Gamble Company, USA
 SOURCE: PCT Int. Appl., 61 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: **Patent**
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------------|
| WO 2001035924 | A1 | 20010525 | WO 2000-US31935 | 20001120 <-- |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2391014 | A1 | 20010525 | CA 2000-2391014 | 20001120 <-- |
| AU 2001019242 | A5 | 20010530 | AU 2001-19242 | 20001120 <-- |
| BR 2000015656 | A | 20020806 | BR 2000-15656 | 20001120 <-- |
| EP 1229899 | A1 | 20020814 | EP 2000-982177 | 20001120 <-- |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| JP 2003514005 | T | 20030415 | JP 2001-537717 | 20001120 <-- |
| PRIORITY APPLN. INFO.: | | | US 1999-166587P | P 19991119 <-- |
| | | | WO 2000-US31935 | W 20001120 <-- |

ED Entered STN: 27 May 2001

AB The present invention relates to a substantially dry, disposable personal care article comprising: (a) a water insol. substrate comprising a nonwoven layer; and (b) a therapeutic benefit component, disposed adjacent to said water insol. substrate, wherein said component comprises from about 10 to about 1000 , by weight of the water insol. substrate, of a therapeutic benefit composition comprising: (1) a safe and effective amount of anionic polymer; (2) a safe and effective amount of a cationic surfactant; wherein said composition forms a coacervate when said article is exposed to water. These articles have been found to be particularly useful for personal cleansing applications, namely for the skin and hair. Thus, the present invention further relates to methods of cleansing and/or therapeutically treating (e.g., conditioning) skin and hair utilizing the articles of the present invention. A representative powdery cleansing component for the article of present invention is prepared comprising soap 80.16, water 11.50, stearic acid 5.70, sodium chloride 1.10, EDTA 0.25, perfume 1.15, and miscellaneous (including pigments) 0.14%.

IT 220579-72-6, Sancure 2710

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(personal care articles comprising anionic polymer coacervate compns.)

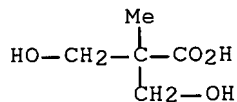
RN 220579-72-6 HCAPLUS

CN Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1,2-propanediol (9CI) (CA INDEX NAME)

CM 1

CRN 4767-03-7

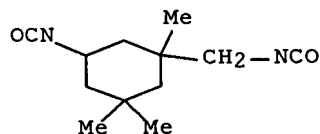
CMF C5 H10 O4



CM 2

CRN 4098-71-9

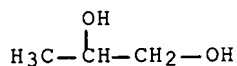
CMF C12 H18 N2 O2



CM 3

CRN 57-55-6

CMF C3 H8 O2



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L37 ANSWER 103 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1997:389135 HCAPLUS Full-text
 DOCUMENT NUMBER: 127:8929
 TITLE: Hair sprays containing film-forming polymer and amine salt
 INVENTOR(S): Nguyen Kim, Son; Sperling, Karin
 PATENT ASSIGNEE(S): BASF A.-G., Germany
 SOURCE: Ger. Offen., 9 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: **Patent**
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|------------------|----------------|
| DE 19541329 | A1 | 19970507 | DE 1995-19541329 | 19951106 <-- |
| WO 9717052 | A1 | 19970515 | WO 1996-EP4857 | 19961106 <-- |
| W: CA, JP, US | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| EP 859585 | A1 | 19980826 | EP 1996-938121 | 19961106 <-- |
| EP 859585 | B1 | 20020911 | | |
| EP 859585 | B2 | 20060614 | | |
| R: DE, ES, FR, GB, IT | | | | |
| JP 11514660 | T | 19991214 | JP 1997-517855 | 19961106 <-- |
| ES 2183982 | T3 | 20030401 | ES 1996-938121 | 19961106 <-- |
| US 6368583 | B1 | 20020409 | US 1998-68007 | 19980429 <-- |
| PRIORITY APPLN. INFO.: | | | DE 1995-19541329 | A 19951106 <-- |
| | | | WO 1996-EP4857 | W 19961106 <-- |

OTHER SOURCE(S): MARPAT 127:8929

ED Entered STN: 23 Jun 1997

AB Hair-setting sprays containing a water-soluble or -dispersible film-forming polymer and a salt (AX_n)_n·(HmB)_m⁺ (A = aliphatic, cycloaliph., or aromatic residue with 1-3 substituents selected from OH, NH₂, C1-6-alkyl, C1-6-alkoxy, mono- or polyhydroxy-C1-6-alkyl; A, if aliphatic, may contain 0-30 CONH groups, or if cycloaliph., may contain CON; X = carboxylate, sulfonate, phosphate, phosphonate; B = amine; n = 1-30; m = valence of amine) are readily washed out of the hair and can be formulated in media with a volatile organic compound content of <60%, including purely aqueous media. Thus, a polyurethane was prepared by condensation of isophthalic acid, adipic acid, hexanediol, diethylene glycol, dimethylolpropanoic acid, and isophorone diisocyanate. A film containing this polyurethane 95 and the salt of isophthalic acid and 2-amino-2-methylpropanol (1:2) 5 weight% was readily redispersible in water.

IT 190211-11-1

RL: BUU (Biological use, unclassified); PEP (Physical, engineering or

chemical process); BIOL (Biological study); PROC (Process); USES (Uses)
(hair sprays containing film-forming polymer and amine salt)

RN 190211-11-1 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with hexanedioic acid, hexanediol,
3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-
(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-oxybis[ethanol]
(9CI) (CA INDEX NAME)

CM 1

CRN 26762-52-7

CMF C6 H14 O2

CCI IDS

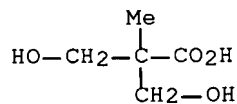
Me—(CH₂)₄—Me

2 (D1—OH)

CM 2

CRN 4767-03-7

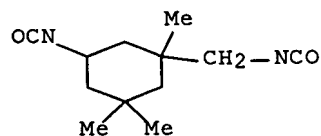
CMF C5 H10 O4



CM 3

CRN 4098-71-9

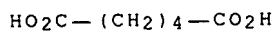
CMF C12 H18 N2 O2



CM 4

CRN 124-04-9

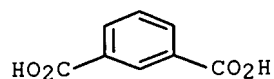
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CM 5

CRN 121-91-5

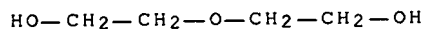
CMF C8 H6 O4



CM 6

CRN 111-46-6

CMF C4 H10 O3



L37 ANSWER 104 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1997:234556 HCAPLUS Full-text
 DOCUMENT NUMBER: 126:306276
 TITLE: Cold seal adhesives, cold sealable films and packages
 formed therewith
 INVENTOR(S): Zhang, Tianhong
 PATENT ASSIGNEE(S): Century International Adhesives & Coating Corp., USA
 SOURCE: U.S., 5 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: **Patent**
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------------------------|------|----------|-----------------|--------------|
| ----- | ---- | ----- | ----- | ----- |
| US 5616400 | A | 19970401 | US 1995-559844 | 19951120 <-- |
| EP 774501 | A2 | 19970521 | EP 1996-307963 | 19961104 <-- |
| EP 774501 | A3 | 19980902 | | |
| EP 774501 | B1 | 20000906 | | |
| R: DE, DK, ES, FR, GB, IE, IT | | | | |
| ES 2151997 | T3 | 20010116 | ES 1996-307963 | 19961104 <-- |
| ZA 9609517 | A | 19970618 | ZA 1996-9517 | 19961113 <-- |
| AU 9671801 | A | 19970529 | AU 1996-71801 | 19961118 <-- |
| AU 712044 | B2 | 19991028 | | |

US 5692937 A 19971202 US 1997-780460 19970108 <--
 PRIORITY APPLN. INFO.: US 1995-559844 A 19951120 <--

ED Entered STN: 11 Apr 1997

AB The cold-seal adhesives contain no natural rubber and are capable of forming dry coatings on flexible films which adhere to one another with com. acceptable packaging strength at room temperature by pressure contact, but also allow such layered substrates to be reeled into rolls and stored for extended periods of time without blocking. The flexible films are usable in forming packages, particularly for cosmetics and pharmaceuticals, without need for heat sealing. Such cold-seal adhesives are aqueous dispersions having a Zahn Cup #2 viscosity 16-40 s and containing 30-50% solids content of a polyurethane ionomer reaction product of 50-80% polyester polyol, 15-25% aliphatic diisocyanate and 3-6% dimethylol propionic acid neutralized with a base selected from tertiary amines and alkali metal hydroxides and the reaction product possesses a Tg of between -20° to 5°.

IT 189194-17-0 189211-82-3

RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)

(cold seal adhesives and cold-sealable films for cosmetic and pharmaceutical packages)

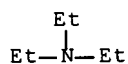
RN 189194-17-0 HCAPLUS

CN Hexanedioic acid, polymer with 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-oxybis[ethanol], compd. with N,N-diethylethanamine (9CI) (CA INDEX NAME)

CM 1

CRN 121-44-8

CMF C6 H15 N



CM 2

CRN 130448-67-8

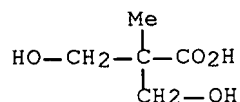
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CCI PMS

CM 3

CRN 4767-03-7

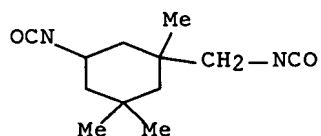
CMF C5 H10 O4



CM 4

CRN 4098-71-9

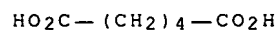
CMF C12 H18 N2 O2



CM 5

CRN 124-04-9

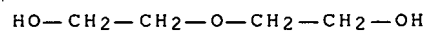
CMF C6 H10 O4



CM 6

CRN 111-46-6

CMF C4 H10 O3



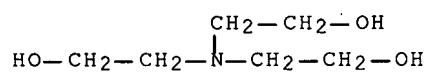
RN 189211-82-3 HCAPLUS

CN Hexanedioic acid, polymer with 2,2'-[1,2-ethanediylbis(oxy)]bis[ethanamine], 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-oxybis[ethanol], compd. with 2,2',2''-nitrilotris[ethanol] (9CI) (CA INDEX NAME)

CM 1

CRN 102-71-6

CMF C6 H15 N O3



CM 2

CRN 189211-81-2

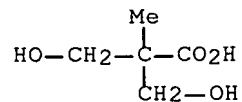
CMF (C12 H18 N2 O2 . C6 H16 N2 O2 . C6 H10 O4 . C5 H10 O4 . C4 H10 O3)x

CCI PMS

CM 3

CRN 4767-03-7

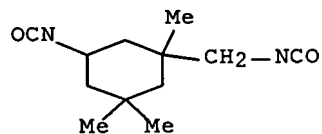
CMF C5 H10 O4



CM 4

CRN 4098-71-9

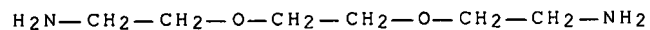
CMF C12 H18 N2 O2



CM 5

CRN 929-59-9

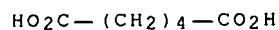
CMF C6 H16 N2 O2



CM 6

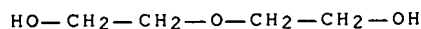
CRN 124-04-9

CMF C6 H10 O4



CM 7

CRN 111-46-6
CMF C4 H10 O3



L37 ANSWER 105 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1995:189925 HCAPLUS Full-text
 DOCUMENT NUMBER: 122:196529
 TITLE: Cationic polyurethanes and polyureas as excipients in
 cosmetic and pharmaceutical compositions
 INVENTOR(S): Nguyen Kim, Son; Sanner, Axel; Sperling-Vietmeier,
 Karin; Hoessel, Peter
 PATENT ASSIGNEE(S): BASF A.-G., Germany
 SOURCE: Ger. Offen., 12 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: **Patent**
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------------|
| DE 4241118 | A1 | 19940609 | DE 1992-4241118 | 19921207 <-- |
| CA 2148805 | A1 | 19940623 | CA 1993-2148805 | 19931125 <-- |
| WO 9413724 | A1 | 19940623 | WO 1993-EP3306 | 19931125 <-- |
| W: CA, JP, US | | | | |
| RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| EP 672076 | A1 | 19950920 | EP 1994-901874 | 19931125 <-- |
| EP 672076 | B1 | 19971022 | | |
| R: BE, CH, DE, ES, FR, GB, IT, LI, NL | | | | |
| JP 08504454 | T | 19960514 | JP 1993-513718 | 19931125 <-- |
| ES 2108415 | T3 | 19971216 | ES 1994-901874 | 19931125 <-- |
| JP 3369180 | B2 | 20030120 | JP 1994-513718 | 19931125 <-- |
| US 6335003 | B1 | 20020101 | US 1995-424527 | 19950530 <-- |
| PRIORITY APPLN. INFO.: | | | DE 1992-4241118 | A 19921207 <-- |
| | | | WO 1993-EP3306 | W 19931125 <-- |

ED Entered STN: 15 Nov 1994

AB Title polyurethanes, with a glass transition temperature of $\geq 25^\circ$ and an amine number of 50-200, are prepared from (a) ≥ 1 diisocyanate or its reaction product with ≥ 1 compound having ≥ 2 active H atoms/mol. and (b) ≥ 1 diol having ≥ 1 tertiary, quaternary, or protonated tertiary amino group or primary or secondary amino alc. or primary or secondary di- or triamine. These polymers, used e.g. in hair sprays, show good elasticity without excessive moisture uptake at high humidity, and are readily washed out of the hair. Thus, a block copolymer prepared from an isophthalic acid/adipic acid/1,6-hexanediol copolymer 0.5, N-methyldipropylenetriamine 1, neopentyl glycol 2, 2-aminoethylpiperazine 3, and isophorone diisocyanate 6.5 parts (mol ratio) and protonated with lactic acid had amine number 83.6, had a glass transition temperature of 72° and was soluble in EtOH and dispersible in H₂O. An aerosol

hair spray contained this copolymer 5, distilled H₂O 12, absolute EtOH 60, and Me₂O 25 weight%.

IT 161747-36-0 161747-37-1 161747-38-2
161747-39-3 161747-40-6 161747-41-7

RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(cationic polyurethanes and polyureas as excipients in cosmetic and pharmaceutical compns.)

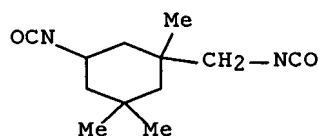
RN 161747-36-0 HCAPLUS

CN Ethanol, 2,2'-(methylimino)bis-, polymer with N-(3-aminopropyl)-N-methyl-1,3-propanediamine and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

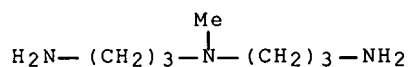
CMF C12 H18 N2 O2



CM 2

CRN 105-83-9

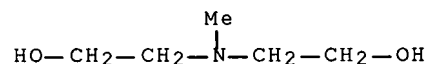
CMF C7 H19 N3



CM 3

CRN 105-59-9

CMF C5 H13 N O2



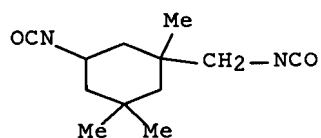
RN 161747-37-1 HCAPLUS

CN 1,3-Propanediamine, N-(3-aminopropyl)-N-methyl-, polymer with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and piperazine (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

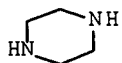
CMF C12 H18 N2 O2



CM 2

CRN 110-85-0

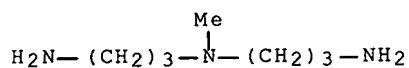
CMF C4 H10 N2



CM 3

CRN 105-83-9

CMF C7 H19 N3



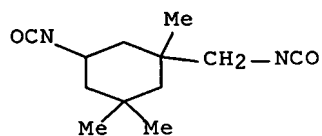
RN 161747-38-2 HCAPLUS

CN 1,3-Propanediamine, N-(3-aminopropyl)-N-methyl-, polymer with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1-piperazineethanamine (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

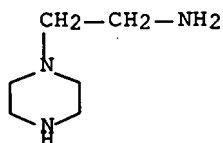
CMF C12 H18 N2 O2



CM 2

CRN 140-31-8

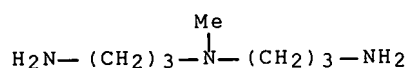
CMF C6 H15 N3



CM 3

CRN 105-83-9

CMF C7 H19 N3



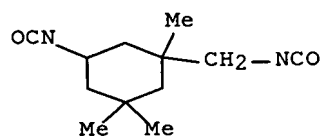
RN 161747-39-3 HCAPLUS

CN Propanoic acid, 2-hydroxy-, polymer with N-(3-aminopropyl)-N-methyl-1,3-propanediamine, 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1-piperazineethanamine, block (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

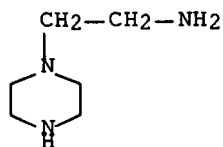
CMF C12 H18 N2 O2



CM 2

CRN 140-31-8

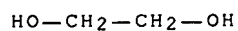
CMF C6 H15 N3



CM 3

CRN 107-21-1

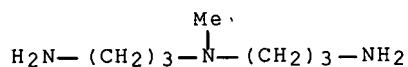
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CM 4

CRN 105-83-9

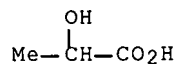
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CM 5

CRN 50-21-5

CMF C3 H6 O3



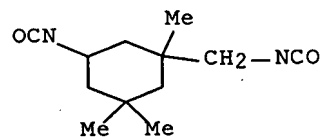
RN 161747-40-6 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with N-(3-aminopropyl)-N-methyl-1,3-propanediamine, 2,2-dimethyl-1,3-propanediol, hexanedioic acid, 1,6-hexanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1-piperazineethanamine, block (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

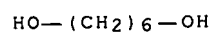
CMF C12 H18 N2 O2



CM 2

CRN 629-11-8

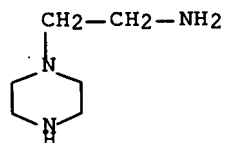
CMF C6 H14 O2



CM 3

CRN 140-31-8

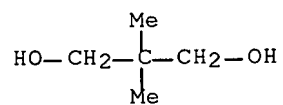
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CM 4

CRN 126-30-7

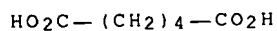
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CM 5

CRN 124-04-9

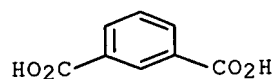
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CM 6

CRN 121-91-5

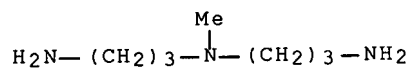
CMF C8 H6 O4



CM 7

CRN 105-83-9

CMF C7 H19 N3



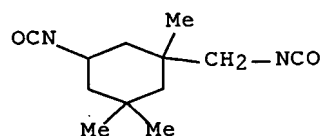
RN 161747-41-7 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with N-(3-aminopropyl)-N-methyl-1,3-propanediamine, hexanedioic acid, 1,6-hexanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1-piperazineethanamine, block (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

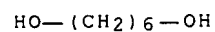
CMF C12 H18 N2 O2



CM 2

CRN 629-11-8

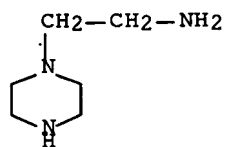
CMF C6 H14 O2



CM 3

CRN 140-31-8

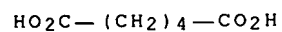
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CM 4

CRN 124-04-9

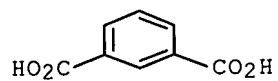
CMF C6 H10 O4



CM 5

CRN 121-91-5

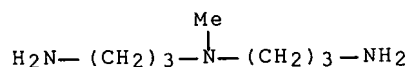
CMF C8 H6 O4



CM 6

CRN 105-83-9

CMF C7 H19 N3



L37 ANSWER 106 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1994:193246 HCAPLUS Full-text
 DOCUMENT NUMBER: 120:193246
 TITLE: Water-thinnable polyurethanes and their manufacture
 and use as in cosmetics and pharmaceuticals
 INVENTOR(S): Nguyen Kim Son; Sanner, Axel; Sperling-Vietmeier,
 Karin
 PATENT ASSIGNEE(S): BASF A.-G., Germany
 SOURCE: Ger. Offen., 11 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: **Patent**
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|-----------------|
| DE 4225045 | A1 | 19940203 | DE 1992-4225045 | 19920729 <-- |
| WO 9403510 | A1 | 19940217 | WO 1993-EP1888 | 19930717 <-- |
| W: CA, JP, US | | | | |
| RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| EP 656021 | A1 | 19950607 | EP 1993-915942 | 19930717 <-- |
| EP 656021 | B1 | 19971001 | | |
| R: BE, CH, DE, ES, FR, GB, IT, LI | | | | |
| JP 07509741 | T | 19951026 | JP 1993-504934 | 19930717 <-- |
| JP 3844775 | B2 | 20061115 | | |
| EP 779310 | A2 | 19970618 | EP 1997-103009 | 19930717 <-- |
| EP 779310 | A3 | 19970702 | | |
| EP 779310 | B1 | 19990506 | | |
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| ES 2107673 | T3 | 19971201 | ES 1993-915942 | 19930717 <-- |
| ES 2130860 | T3 | 19990701 | ES 1997-103009 | 19930717 <-- |
| CA 2140665 | C | 20030520 | CA 1993-2140665 | 19930717 <-- |
| US 6372876 | B1 | 20020416 | US 1995-367327 | 19950124 <-- |
| PRIORITY APPLN. INFO.: | | | DE 1992-4225045 | A 19920729 <-- |
| | | | EP 1993-915942 | A3 19930717 <-- |
| | | | WO 1993-EP1888 | W 19930717 <-- |

ED Entered STN: 16 Apr 1994

AB Water-thinnable polyurethanes with acid number 12-150 and glass temperature $\geq 15^\circ$, useful as aids for cosmetics and pharmaceuticals, are prepared from (a) ≥ 1 compound having ≥ 2 active H and (b) ≥ 1 acid- or salt-group-containing diol. Water-thinnable, biodegradable polyurethanes contain ≥ 5 mol% $\text{Y}[\text{O}(\text{COCHMeO})\text{NH}]_m$ ($\text{Y} = 2\text{-}4\text{-valent alcs.}$, $n = 1\text{-}50$, $m = 1\text{-}4$) in component (a). A typical polyurethane with acid value 62 and glass temperature 68° , useful for hair preps., was prepared from polyethylene glycol, neopentyl glycol, dimethylolpropionic acid, IPDI, and piperazine.

IT 153952-56-8P 153952-59-1P 153952-60-4P

RL: PREP (Preparation)

(manufacture of biodegradable water-thinnable, for cosmetics and pharmaceuticals)

RN 153952-56-8 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with 2,2-dimethyl-1,3-propanediol,

hexanedioic acid, hexanediol, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (9CI) (CA INDEX NAME)

CM 1

CRN 26762-52-7

CMF C6 H14 O2

CCI IDS

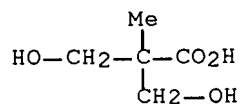
Me—(CH₂)₄—Me

2 (D1—OH)

CM 2

CRN 4767-03-7

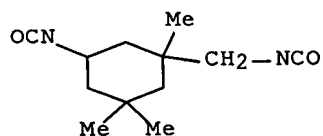
CMF C5 H10 O4



CM 3

CRN 4098-71-9

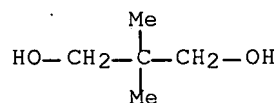
CMF C12 H18 N2 O2



CM 4

CRN 126-30-7

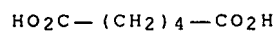
CMF C5 H12 O2



CM 5

CRN 124-04-9

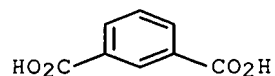
CMF C6 H10 O4



CM 6

CRN 121-91-5

CMF C8 H6 O4



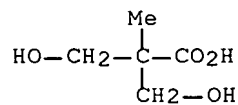
RN 153952-59-1 HCAPLUS

CN Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 1,2-ethanediol, 2-hydroxypropanoic acid and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (9CI) (CA INDEX NAME)

CM 1

CRN 4767-03-7

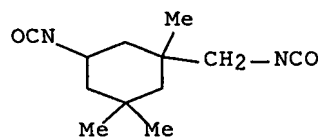
CMF C5 H10 O4



CM 2

CRN 4098-71-9

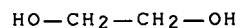
CMF C12 H18 N2 O2



CM 3

CRN 107-21-1

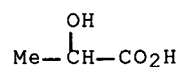
CMF C2 H6 O2



CM 4

CRN 50-21-5

CMF C3 H6 O3



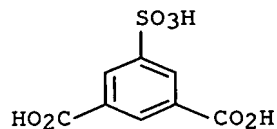
RN 153952-60-4 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, 5-sulfo-, monosodium salt, polymer with 1H,3H-benzo[1,2-c:4,5-c']difuran-1,3,5,7-tetrone, 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol, 2-hydroxypropanoic acid and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (9CI) (CA INDEX NAME)

CM 1

CRN 6362-79-4

CMF C8 H6 O7 S . Na

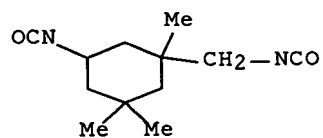


● Na

CM 2

CRN 4098-71-9

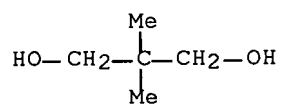
CMF C12 H18 N2 O2



CM 3

CRN 126-30-7

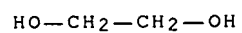
CMF C5 H12 O2



CM 4

CRN 107-21-1

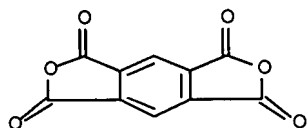
CMF C2 H6 O2



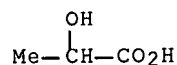
CM 5

CRN 89-32-7

CMF C10 H2 O6



CM 6

CRN 50-21-5
CMF C3 H6 O3

IT 153952-55-7P 153952-57-9P 153952-58-0P

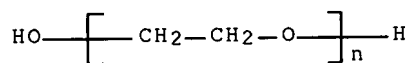
RL: PREP (Preparation)

(manufacture of water-thinnable, for cosmetics and pharmaceuticals)

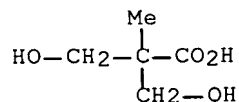
RN 153952-55-7 HCAPLUS

CN Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 2,2-dimethyl-1,3-propanediol, α -hydro- ω -hydroxypoly(oxy-1,2-ethanediyl), 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and piperazine (9CI) (CA INDEX NAME)

CM 1

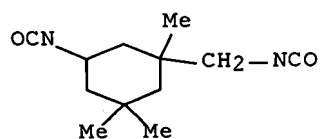
CRN 25322-68-3
CMF (C2 H4 O)_n H2 O
CCI PMS

CM 2

CRN 4767-03-7
CMF C5 H10 O4

CM 3

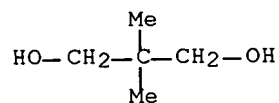
CRN 4098-71-9
CMF C12 H18 N2 O2



CM 4

CRN 126-30-7

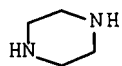
CMF C5 H12 O2



CM 5

CRN 110-85-0

CMF C4 H10 N2



RN 153952-57-9 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, 5-sulfo-, monosodium salt, polymer with 1,3-benzenedicarboxylic acid, 2,2-dimethyl-1,3-propanediol, hexanedioic acid, hexanediol, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and piperazine (9CI) (CA INDEX NAME)

CM 1

CRN 26762-52-7

CMF C6 H14 O2

CCI IDS

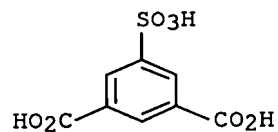
Me—(CH₂)₄—Me

2 (D1—OH)

CM 2

CRN 6362-79-4

CMF C8 H6 O7 S . Na

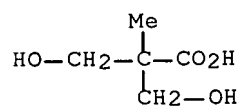


● Na

CM 3

CRN 4767-03-7

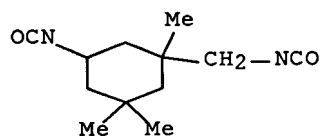
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CM 4

CRN 4098-71-9

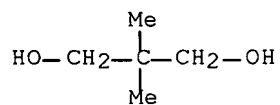
CMF C12 H18 N2 O2



CM 5

CRN 126-30-7

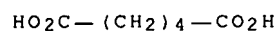
CMF C5 H12 O2



CM 6

CRN 124-04-9

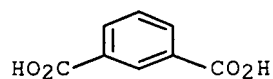
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CM 7

CRN 121-91-5

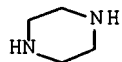
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CM 8

CRN 110-85-0

CMF C4 H10 N2



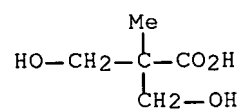
RN 153952-58-0 HCAPLUS

CN 1,2-Benzenedicarboxylic acid, polymer with 1,2-ethanediol,
3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-
(isocyanatomethyl)-1,3,3-trimethylcyclohexane and piperazine (9CI) (CA
INDEX NAME)

CM 1

CRN 4767-03-7

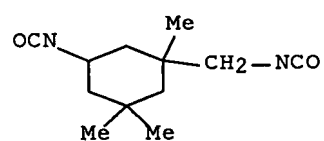
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CM 2

CRN 4098-71-9

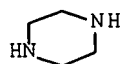
CMF C12 H18 N2 O2



CM 3

CRN 110-85-0

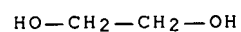
CMF C4 H10 N2



CM 4

CRN 107-21-1

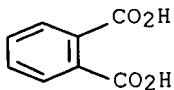
CMF C2 H6 O2



CM 5

CRN 88-99-3

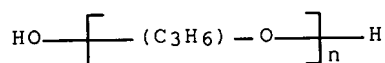
CMF C8 H6 O4



L37 ANSWER 107 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1993:567497 HCAPLUS Full-text
 DOCUMENT NUMBER: 119:167497
 TITLE: Aqueous nail lacquers containing polyurethanes
 INVENTOR(S): Gomi, Tadashi; Takahashi, Setsuko
 PATENT ASSIGNEE(S): Yuho Chemicals Inc, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: **Patent**
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|--------------|
| JP 05155737 | A | 19930622 | JP 1991-325860 | 19911210 <-- |
| JP 3121889 | B2 | 20010109 | | |
| PRIORITY APPLN. INFO.: | | | JP 1991-325860 | 19911210 <-- |

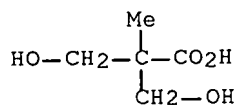
ED Entered STN: 16 Oct 1993
 AB Aqueous nail lacquers contain polyurethane of neutralization value 10-80 obtained by polymerization in the absence of tertiary amines, and are removed by H₂O or mixts. of H₂O and organic solvents. Nails were manicured with a nail lacquer containing polyurethane (prepared from polyethylene glycol 186.60, dimethylol propionic acid 14.30, isophorone diisocyanate 87.20, and hexamethylenediamine 11.90 g) 83.33, Primal ASE 60 0.50, vitamin E 0.10, and H₂O 16.07 weight%. The nail lacquer showed good coating and drying property and was crack-, water-, and soap washing-resistance, and was easily removed with 70% EtOH solution
 IT **150380-54-4**
 RL: BIOL (Biological study)
 (aqueous nail lacquers containing)
 RN 150380-54-4 HCAPLUS
 CN Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 1,6-hexanediamine, α -hydro- ω -hydroxypoly[oxy(methyl-1,2-ethanediyl)] and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (9CI) (CA INDEX NAME)
 CM 1
 CRN 25322-69-4
 CMF (C₃ H₆ O)_n H₂ O
 CCI IDS, PMS



CM 2

CRN 4767-03-7

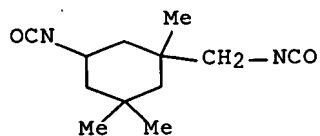
CMF C5 H10 O4



CM 3

CRN 4098-71-9

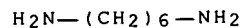
CMF C12 H18 N2 O2



CM 4

CRN 124-09-4

CMF C6 H16 N2



L37 ANSWER 108 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1992:263210 HCAPLUS Full-text
 DOCUMENT NUMBER: 116:263210
 TITLE: Microcapsules and their manufacture and application
 INVENTOR(S): Tashiro, Namiyuki; Maruyama, Osamu
 PATENT ASSIGNEE(S): Dainippon Ink and Chemicals, Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: **Patent**
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------|------|----------|-----------------|--------------|
| ----- | ---- | ----- | ----- | ----- |
| JP 03221137 | A | 19910930 | JP 1990-260025 | 19900928 <-- |

JP 3301082

B2

20020715

PRIORITY APPLN. INFO.:

JP 1989-279257

A1 19891026 <--

ED Entered STN: 27 Jun 1992

AB A method for manufacturing resin microcapsules containing a hydrophobic liquid and/or solid involves simultaneously forming fine particles and capsule walls using a self-dispersing resin capable of dispersing to an average size $\leq 0.1 \mu\text{m}$ in the presence of H_2O . Specifically, the method involves forming emulsions by mixing a water phase containing the above resin and an organic phase containing the above hydrophobic liquid and/or solid. The method is useful for manuf of a coating material, ink, recording material, or fiber-coloring agent.

IT 141482-50-0

RL: PRP (Properties)
(microencapsulation using)

RN 141482-50-0 HCAPLUS

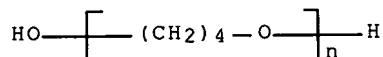
CN 2-Propenoic acid, 2-methyl-, butyl ester, polymer with
 α -hydro- ω -hydroxypoly(oxy-1,4-butanediyl),
5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane, methyl
2-methyl-2-propenoate and 2-propenyl 2-methyl-2-propenoate (9CI) (CA
INDEX NAME)

CM 1

CRN 25190-06-1

CMF (C4 H8 O)_n H2 O

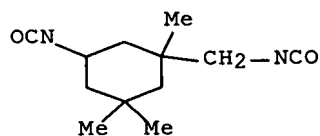
CCI PMS



CM 2

CRN 4098-71-9

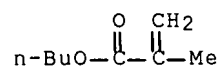
CMF C12 H18 N2 O2



CM 3

CRN 97-88-1

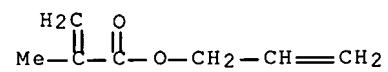
CMF C8 H14 O2



CM 4

CRN 96-05-9

CMF C7 H10 O2



CM 5

CRN 80-62-6

CMF C5 H8 O2

